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Penn State Intercom

Student grades, honors programs before Senate

Student grades and honors programs will be among the topics under consideration when the University Faculty Senate meets at 2:10 p.m. on Thursday, Sept. 8, in Room 112 Kern Bldg.

Following consideration of the grade inflation problem, the Subcommittee on Grading of the Senate Committee on Undergraduate Instruction will recommend a change of wording in the current Senate policy on student grades, as it appears in the Student Handbook.

Policy 47-20 currently states that: "Grades shall be assigned to individual students solely on the basis of the instructor's judgment as to a student's scholastic achievement as set forth in Policy 47-60." Under the proposed legislation, the policy would be amended as follows: "The college and department faculties are responsible for establishing and monitoring academic standards for courses offered in their academic units; the application of these standards to the achievement of individual students, and therefore the assignment of grades, is the sole responsibility of the course instructor."

The subcommittee will also propose several wording changes to current Senate policies dealing with University withdrawal and course drop procedures. Those changes are designed to eliminate loopholes that now make it possible for students accused of academic dishonesty to avoid punishment in the grading system.

(Continued on page 3)

News in Brief

First fact-finding meeting scheduled

Fact-finder Robert D. Kreitler, of Radnor, Pa., will hold his first meeting with representatives of the University and Teamsters Union Local No. 8 on Thursday, Sept. 8.

Mr. Kreitler was named fact-finder in the dispute between the University and the Union by the Pennsylvania Labor Relations Board last week. The Labor Board action means that the Union may not call a strike during the fact-finding process.

President Oswald had directed University representatives to request fact-finding from the PLRB because of the unprecedented fiscal difficulties and uncertainties facing the University.

The fact-finding procedures can take up to 60 days.

Intramural sign-up to be held Sept. 6-9

Entries will be taken in the Intramural Office at University Park from Tuesday, Sept. 6, until noon on Friday, Sept. 9, for the men's program in touch football and tennis singles. In the women's program, participants may sign up at the same time and place for tennis singles, doubles and coed doubles. Coed flag football registrations will also be taken, but each team roster must include four men and four women. Both faculty and staff are eligible to participate in these programs, and further information is available by calling 865-5401.

(Continued on page 3)

President voices his frustration over Legislature's budget action

President Oswald shared with Penn State graduates his frustrations over legislative action that now places the entire burden of raising taxes "solely, only and totally on one element of the State — higher education."

Speaking at the Summer Term commencement on Aug. 27, Dr. Oswald said he recognized that many of the 1,700 graduates had frustrations of their own, or would face frustrations in the future.

To cope with frustration, he urged the graduates to keep the faith, exercise patience and use their God-given talents and what they had learned at Penn State to keep on top of the events and situations that are frustrating them.

Dr. Oswald said, "I stand before you as frustrated as I have been in my 20 years as a university president, spanning three major public universities."

"I consider it absolutely incredible," he said, "that the Commonwealth could let the foundations of this University — and universities like Pittsburgh and Temple — slip away any more than the state of Ohio could let Ohio State slip away, or the state of Michigan could let the great universities of Michigan or Michigan State slip away."

Dr. Oswald noted that the State Legislature recently settled a \$5 billion budget for the State. Included was \$300 million in increases for branches of State government, for State workers, for school subsidies, for the State-owned colleges, special help for Philadelphia programs, and a host of other programs.

"I don't question the value of any of these programs," he continued. "My total

personal frustration comes from the fact that, to achieve this \$300 million, the Legislature did not come to grips with the revenue problem and taxes.

"Rather, it put this off by taking all of the funds that are normally appropriated for Penn State, Pitt and Temple and used this money to increase the budget for the rest of the State."

"This leaves this University at this point with zero dollars. To operate — and operate we will — we must borrow funds and pay the necessary interest."

Dr. Oswald emphasized that "higher education is as bipartisan as anything that exists in the State. We are neither a Democratic nor a Republican university. We are a University of this State."

Dr. Oswald said a legislator called him last week and said, "Jack, how does it feel to be swinging in the wind?"

"I indicated to him that if anything was twisting in the wind, it was this great University and that would be most troublesome because the very foundations of this great University would then be in jeopardy."

"I cannot believe that reason will not prevail," he added, pledging that he will do everything possible in this situation, and will call on the graduates, the 100,000 Penn State alumni in Pennsylvania, and the people of the State to help to resolve the problem.

In outlining three ways to deal with frustration, Dr. Oswald suggested the graduates "maintain faith and confidence that reason and good sense will prevail."

(Continued on page 3)

Q: What were some of the reasons behind your decision to give up the presidency of Chatham College and come to Penn State, particularly in an era which is bound to be dominated by budgetary problems?

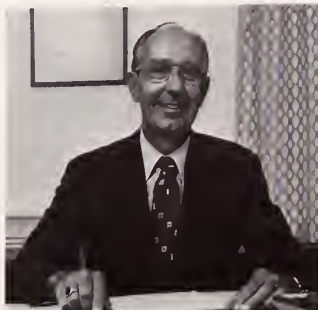
A: There were several reasons. First, no institution, whether public or private, is immune from budgetary problems. Budgetary problems at Penn State are generally no more severe than those of a fairly well endowed private college. In the long term, I think the public university has a better outlook for healthy survival than many of the private colleges and universities.

The second point would be that 17 years in a college presidency is enough punishment for anybody. On the other hand, to be serious, I don't expect to hide from criticism as provost. I've been a provost before in a public university. I realize that you're fair game for anybody and everybody who has a concern about the institution which that person doesn't think is being appreciated or heard.

Third, I think it's important for everybody, if they have the luxury, to try something different and new at various times in life. I admit that going from one institution of higher education to another isn't like jumping from the practice of medicine to running a shipyard in South America, but there is a significant enough difference in terms of the size of Penn State's operation and its problems as well as the location and sources of support — and particularly the scope of the curricular program — to say that this is something, perhaps not new, but substantially different. When you make a change of this character or any comparable change in your career, you find that you are drawing upon resources that you had either neglected or didn't realize that you had. You discover that you're a lot younger than you thought you were becoming. As anybody who has been on leave will attest, just a change in the daily routine is invigorating.

And finally, I'd add one more point, and it's a very strategic one. There's no question about the fact that the

An interview with the new Provost



Dr. Edward D. Eddy

Pennsylvania State University is highly regarded in higher education, that its opportunities are unique, and that the ambience of "Happy Valley" evidently is both intriguing and contagious.

Q: Although you've only been here a short time, and you obviously knew that Penn State would be quite different from Chatham, have you had any surprises?

A: The number of joggers per square foot is substantially larger in State College than in all of Pittsburgh.

Q: Do you have any idea yet of what you hope to accomplish during your first year here?

A: Well, that's difficult to tell until we know what the budgetary restrictions are going to be. Of course, in any case, anyone devotes a first year to finding out what makes the institution tick and learning how other people perceive it — whether in the process there are more ticks than ticks. My first year will be an absorption experience. It would be foolish for anyone in a position which calls for some measure of academic leadership to begin launching "bold new programs" without knowing what the healthy old programs are. My hope is that the Provost's Office will provide some stimulus in the way of asking some of the more fundamental questions about education. I assume that in a good institution of higher learning almost nothing should be taken for granted in regard to what is right and good for the student and for society and that we ought continually to be probing and wondering and speculating.

One of my first aims will be to develop some kind of organization within the office which will free the Provost to think.

Q: You have published a number of articles on student values. Is this a long standing interest of yours?

A: It's been an interest of mine throughout almost all of my professional career. I wrote a book on it, *The College Influence on Student Character*, back in the '50s. It's a fascinating subject, partly because there's nothing static about student values. The emphasis and the direction change almost from year to year and certainly from decade to decade. We're now in the process of a major change. I don't think we know yet what the direction will be, but obviously higher education has been affected

(Continued on page 3)

Faculty Notes

Dr. Joseph H. Britton, professor of human development and chairman of the Gerontology Center of the Institute for the Study of Human Development, has been named acting dean of the College of Human Development, effective Sept. 1.

Dr. Donald H. Ford, who has served as dean since 1967, last fall announced plans for his return to teaching responsibilities to be effective Aug. 31. He will be on leave in 1977-78.

Provost Edward D. Eddy said that Dr. Britton will continue in the interim position until a new dean is appointed and assumes his duties. While the Search Committee seeking a successor to Dean Ford has made progress, Dr. Eddy noted, it became evident that an interim appointment would have to be made to begin service with the opening of the fall term.

A member of the faculty since 1949, Dr. Britton is a graduate of Albion College and obtained his M.A. and Ph.D. degrees, with major work in the field of human development, from the University of Chicago.

Dr. Caroline Eckhardt, associate professor of English and comparative literature, has been named director of the Comparative Literature Program. She succeeds Dr. Arthur O. Lewis, professor of English, who continues his duties as associate dean of the College of the Liberal Arts.

Dr. Eckhardt has a B.A. from Drew University. Her M.A. was granted by Indiana University where she concentrated on the literature of the Renaissance, and her Ph.D. by the University of Michigan, where she specialized in the literature of the European Middle Ages. Her recent research has dealt with the late-medieval uses of the Arthurian legend for political ends, and she is currently editing a 15th century *Prophecia Merlini* text.

Dr. Edward H. Kleavans, professor of nuclear engineering, will receive the 1977 Glenn Murphy Award of the American Society for Engineering Education's Nuclear Engineering Division. The award is given annually to a distinguished engineering educator in recognition of notable professional contributions to the teaching of nuclear engineering. Dr. Kleavans was lauded for initiating new and original courses at Penn State in the theory of plasma and fusion devices; for assisting in the development of a new nuclear engineering undergraduate theory sequence; for initiating a course on nuclear energy for nonengineers; for distinguishing himself as an educator through the accomplishments of his students, and for his numerous publications in refereed journals.

Dr. Gladys I. Ritchie, associate professor of speech communication, is serving as interim associate dean of academic instruction for the Commonwealth Campuses. Dr. Ritchie assumed this position Aug. 15, replacing Dean Joseph F. Douglas, who wished to resume teaching duties and special programming responsibilities at the Capitol Campus.

Dr. Margaret Newman has been named professor-in-charge of the graduate program in nursing in the Department of Nursing, College of Human Development, effective Sept. 1. She was previously an associate professor in the Division of Nursing at New York University. Dr. Newman has a B.S. in nursing from the University of Tennessee, Memphis; an M.S. from the University of California, San Francisco; and a Ph.D. from New York University. She is a fellow of the American Academy of Nursing.

Dr. Thomas J. Jech, professor of mathematics, recently returned from a month-long exchange visit to the Hungarian Academy of Sciences in Budapest. During his visit, sponsored by the U.S. National Academy of Sciences, he conferred with Hungarian specialists in set theory and mathematical logic and lectured on his work in that field. He also was the invited speaker at the Logic Colloquium of the 1977 European summer meeting of the Association for Symbolic Logic (ASL) in Wrocław, Poland. The meeting was organized by the Polish Academy of Sciences in collaboration with ASL and the International Union for the History and Philosophy of Science.

Dr. William W. Reynolds, assistant professor of biology, Wilkes-Barre, presented a seminar, "Temperature as a Proximate and Ultimate Factor in the Orientation Behavior of Fishes," at a NATO-sponsored Advanced Study Institute on Sensory Ecology in Lennoxville, Quebec, July 10-22. He was also co-author of the paper, "Thermoregulation and Fever in Ectotherms," presented by Martha E. Casterlin, at a laboratory technician at Wilkes-Barre, at the XXVth International Congress of Physiological Sciences in Paris, July 18-23. Nearly 50 papers have been published or are now in press resulting from research at the Wilkes-Barre Campus biology laboratory.

Dr. Thomas A. Hale, assistant professor of French and comparative literature, is co-editor of *The Teaching of African Literature*, the first book ever devoted exclusively to that subject. He collaborated with Dr. Richard K. Priebe, assistant professor of English at the Virginia Commonwealth University, on the book, which is a collection of 19 papers prepared by members of the African Literature Association.

Dr. Hale is also the author of an article, "Audio-Visual Approaches to the Birth of Black Literature of French Expression," included in the book.

In their introduction, Dr. Hale and Dr. Priebe explain that, while more than 100 U.S. colleges and universities now offer courses in African literature, the special problems of African literature teachers have been largely ignored in the past.

The essays in the volume cover topics ranging from the teaching of African literature in urban universities to the destruction of stereotypes about African cultures. The book was published by the Journals Department of the University of Texas Press.

Two professors of industrial engineering, **Benjamin W. Nibel**, head of the Department of Industrial and Management Systems Engineering, and **Dr. Inyong Ham**, presented a two-day invited seminar on "Techniques for Improving Productivity" in Monterrey, Mexico, last month. The seminar was sponsored by the Monterrey Chapter of the American Institute of Industrial Engineers and the Monterrey Institute of Technology's Department of Industrial Engineering.

Obituary

David B. Pugh, who retired from the University in 1951 as a supervisor in Continuing Education, died Aug. 16 at the age of 86. Starting out at Penn State in 1923, he was an instructor in education and psychology in Extension. In 1934, he was named supervisor of the Undergraduate Centers and was responsible for the organizing of centers in Hazleton, Pottsville, DuBois and Altoona. He also served as director of arts and science extension. From 1948 until his retirement, he was in charge of the Division of Instruction in Central Extension. He was a graduate of Lebanon Valley College and held an A.M. from the University of Pittsburgh.



Ellen Garber

Ellen K. Garber, assistant Extension director in the Southeast Extension Region, retired Sept. 1, following 29 years of service. She has supervised Extension programs, in Philadelphia, Delaware, Chester, Montgomery, Bucks, Lehigh and Northampton counties since 1973. Before that, she served as assistant State home economics leader in this same area and five other counties for ten years.

A native of Mt. Joy, she received her B.S. in home economics education from Penn State and her M.S. in Extension administration from the University of Wisconsin.

As assistant director of the Southeast Extension Region, Miss Garber supervised 60 professional and 70 paraprofessional staff who conducted educational programs for the 4½ million residents of the area. She also helped develop the Philadelphia Urban Garden Program in 1977. Its nine new staff members work with several thousand gardeners and eight demonstration gardens in inner city Philadelphia. The Expanded Nutrition Education Program, conducted by the Cooperative Extension Service, was organized and developed in 1969 in the southeast region under Miss Garber's direction. The program helps persons on a limited income improve their diets and is conducted in all eight counties of the region.

Dr. Randall S. Stout, a professor of economics who specializes in public finance and tax policy, retired July 1 with the rank of professor emeritus of economics.

In the early 1950s, he was a member of the Pennsylvania Governor's Emergency Tax and Revenue Fact-Finding Committee, and ten years ago, he was appointed to a task force of the Pennsylvania Governor's Tax Study Commission concerned with long range tax revenues in the Commonwealth. He was also a consultant to the Pennsylvania Committee on Government Reorganization, and from 1945 to 1947, was a tax research consultant to the Pennsylvania Joint State Government Commission.

Dr. Stout is the author of, or a major contributor to, four books: *The Consumer Finance Industry in Pennsylvania*, *The Tax Problem in Pennsylvania*, *State and Local Taxation*, and *Taxation of Cooperatives in Pennsylvania*.

Before coming to Penn State in 1941, he taught at Central College in Iowa and was an accountant for the Jewel Tea Company. He earned an A.B. in economic history from Illinois College in 1935 and an M.B.A. in public finance from Northwestern University in 1937. His Ph.D., also in public finance, was conferred by the University of Pittsburgh in 1945.



Randall Stout



Jack Zubrod

Jack C. Zubrod, associate director for academic affairs at the Altoona Campus, retired June 20 after completing 32 years of service to the University.

Mr. Zubrod joined the DuBois Campus in 1946, following World War II, and transferred to Altoona in 1951 as an assistant professor of biological science. He was promoted to dean of faculty in 1955, a title which was subsequently changed to assistant director for resident instruction.

Following a year as interim director in 1974-75, Mr. Zubrod was promoted to the newly created position of associate director for academic affairs. During his 27 years at Altoona, he was instrumental in creating the faculty senate. He served as a member of the University Senate, chairing its task force on academic advising, and was chairman of the Altoona Campus task force to develop the "Five Year Plan."

A native of Johnstown, Mr. Zubrod earned his bachelor's and master's degrees from the University of Pittsburgh.

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President

(Continued from page 1)

Reach back to those strengths of which you are made, your values, your reliance on your religious faith, and your confidence in those things that sustain you."

Second, Dr. Oswald suggested the graduates must have patience.

Finally, Dr. Oswald emphasized to the graduates that "most important in dealing with frustration is to use your God-given talents and what you have learned here at Penn State to get on top of the events and situations that are frustrating you."

"For my part," he said, "I shall do everything possible and leave no stone unturned."

Senate

(Continued from page 1)

In other action, Senate will consider revisions to its policy on the structuring of honors programs, proposed by the Subcommittee on Honors Programs of the Senate Committee on Undergraduate Instruction. According to the subcommittee, the revisions are an attempt to achieve greater flexibility, since many departments do not have the resources to offer honors programs under existing Senate policy.

Currently, students in honors programs must complete at least 12 credits in authorized honors program course work, with no fewer than six of those credits earned in courses designed specifically for, and open only to, honors program students. The proposed legislation would allow students to complete the six credits either through courses open only to honors program students or through extra course work, approved for the purpose, in their major areas of study.

The subcommittee will also request that a University Task Force on Programs for Academically Superior Students be appointed to review the question of academic excellence in undergraduate education.

Senate will be asked to approve an appointment to the standing Joint Committee on Tenure and to amend the procedure for filling vacancies on that committee.

In addition, Senate will hear an information report on the indirect costs of research from the Committee on Research. The Subcommittee on Athletic Standards of the Committee on Academic and Athletic Standards will also present an informational report.

Chairmen of several standing committees will respond to the report of an evaluation team representing the Commission on Higher Education of the Middle States Association, prepared after the team visited Penn State last year.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Q: I understand AudioVisual Services has moved to the boondocks, leaving only a ghost of its former office in Willard Bldg. While it's true that the branch office will still handle most requests for films, etc., what we'll lose is same-day or prompt service. What happens when there's a mistake and a film that should be in a classroom in Willard is at AV's main office out PostTrest? Why has such a vital service been decentralized?

A: In planning the move of selected functions of Audio Visual Services to the Special Services Bldg., much careful thought was given not only to maintaining but also to improving service to the faculty. Virtually all of the functions involved in direct instructional support at University Park remain at Willard Bldg. These include all equipment and operator scheduling, pick up of both films and equipment, and the previewing of films.

The functions moved to Special Services are concerned primarily with service to other locations, both within the University and to film users at other colleges and schools.

The additional space at the new location is intended to enable important new activities to be added which could not be done because of lack of space in Willard. Chief among these, and most immediate, is the development of a reference center on film and tape materials which will be available to faculty. This center will provide faculty with a far greater opportunity to become familiar with potential solutions to instructional problems.

Mistakes will happen. A film that should be in Willard will occasionally be in Special Services. It isn't possible to handle in excess of 50,000 transactions a year and not make an occasional mistake. However, it is our intention that any inconvenience caused by such a mistake will be ours at AVS, not the faculty's. We intend to continue to honor every reasonable request of the faculty with the same level of service that everyone has come to expect.

All members of the faculty are urged to visit the new Audio Visual Services offices. In addition, the staff welcomes any opportunity to work more closely with individual faculty members or with departments in responding to existing problems or in anticipating future problems.

Robert Allen, director
Audio Visual Services

News in brief

(Continued from page 1)

Salary increases to go into effect before Nov. 1

Faculty and staff members who were notified of salary increases earlier this summer will receive them at the end of October. Increases are retroactive to July 1, and the retroactive portion will be paid in a separate check before Nov. 1.

The passage of the State budget implementing salary raises for State employees influenced Penn State's action, according to Provost Edward D. Eddy, who noted: "This is one way available to the University to be certain that the loyalty and competence of our faculty and staff are recognized, and to avoid further personal penalty as a result of the budgetary situation."

Because of the fiscal uncertainties facing Penn State, a second round of permanent budget cuts for all academic and administrative divisions, amounting to more than \$1.3 million, was implemented on Aug. 16. An earlier round of budget cuts totaling \$2.5 million was made effective July 1.

Choir auditions open

Auditions for the University Choirs will be held from 9 a.m. to 4 p.m. on Thursday and Friday, Sept. 1 and 2, and from 9 a.m. to noon on Saturday, Sept. 3, in Room 112 Music Bldg. and Room 212 Eisenhower Chapel. Choir membership is open to all students, staff, faculty and alumni as well as to their spouses.

The Choirs have been invited to sing with the Pittsburgh Symphony Orchestra under Andre Previn, Pittsburgh's music director, and again under Michael Tilson Thomas, who is currently music director of the Buffalo Philharmonic. With Previn, they will present three performances in Pittsburgh during February of Sir William Walton's *Belshazzar's Feast*. With Thomas, they will appear in two performances of Mahler's Second Symphony on Feb. 3 and 4 at University Park.

CIA informs University of past research links

The Central Intelligence Agency has informed Penn State in a letter that the University was among 80 public and private institutions which the CIA says were used for some of its secret experiments in the 1950s and 1960s.

In a statement, the Office of Public Information and Relations noted that, in some cases, individual researchers and institutions "apparently were aware of CIA sponsorship, but in many other cases they were not informed that the research was connected in any way with the CIA."

Penn State officials have requested additional details from the government on the matter."

Berks fund drive nets Campus \$15,230

More than \$15,000 has been raised as a result of the 1976-77 fund drive for the Berks Campus, according to Campus Director Harold W. Perkins.

The contributions, which will be used exclusively for Berks' projects, totaled \$15,230 and came from 333 individual donors.

This year's Berks Campus fund was partially used for the children's theatre program of Berks Summer Theatre. All children in Berks and surrounding counties were invited to participate free of charge in special children's theatre presentations and workshops which were held two days each week throughout the summer.

Funds also went toward the purchase of projection screens for audio-visual services, an herbarium for teaching and research use, equipment to outfit a photo lab for campus and camera club use, and a motorized service cart for the 130-acre campus.

In addition, funds went toward the completion of a picnic pavilion and to purchase additional masterpiece art reproductions, which are available on a one-month loan basis to anyone in the Berks County area.

Ambulatory Care Center to open at Hershey

Ribbon-cutting ceremonies for Hershey's new Ambulatory Care Center are being held today (Sept. 1). Participants include President Oswald; William K. Ulerich, president of the Board of Trustees; and Dr. Harry Prystowsky, Hershey's provost and dean.

The 43,200-square-foot addition to the Medical Center hospital houses patient care areas for the Department of Family and Community Medicine; faculty offices and outpatient care areas for internal medicine; examination and treatment rooms for outpatient pediatrics; additional outpatient care areas in radiology, ophthalmology and orthopaedic surgery; two new operating rooms and centralized intensive and coronary care units.

All aboard

The London Bus will be touring University Park on Mondays and Fridays through Nov. 11, leaving the HUB at 2:30 p.m. On the Saturday mornings of home football games, the bus will make two runs, leaving at 10 and 11 a.m. from the foot of the Mall. Tickets (at 25 cents apiece) will be sold on the bus.

Provost interview

(Continued from page 1)

profoundly by the emphasis on careers rather than on the fulfillment of less materialistic life goals. The student is more concerned now with what he or she will do to sustain a comfortable existence rather than how he or she will do it. It's almost as though the students are taking for granted a set of priorities rather than reordering priorities out of their own convictions.

The great period of reordering, of course, came at the end of the '60s, and the period of greatest acceptance per se in our lifetimes was in the '30s.

One of my principal concerns has been how higher education can best contribute to challenging the student to establish his or her own system of values rather than merely to inherit a system or to adopt one without much questioning. I don't think that we do a very good job in colleges and universities of asking fundamental questions. We transmit pieces of knowledge but we don't really expect the student to add up all the pieces and make sense in terms of the individual person.

Q: Did you institute any programs at Chatham to try to deal with these problems?

A: I did, but they were caught up, as so many things were, in the period of student rebellion. Really, in that period, all of us, faculty and staff alike, retreated from the students. We didn't know how to deal with them, and it

was easier to go home and read books or work in the laboratory, so we sort of crossed them out of our existence. We've suffered from that. As a result, we now have a generation of students who are really seeking for something, and we're not prepared to help them as fully as we should be.

Q: Is Penn State today, in your view, meeting special needs not met by other institutions in this State. If so, what are they?

A: It does in a number of ways. One of these, of course, is in terms of curricular offerings such as the comprehensive program in Agriculture which is not available elsewhere. It does so in the unique approach taken by areas to the discipline or the field of study. I'd cite Human Development as an example of that. It does so in the three-pronged, interdependent combination of instruction, research, and service. And it does so by the opportunity it offers students to gain an education of genuine quality at a reachable price. Our big problem in the next decade is to keep opportunity and quality in balance and to be certain that we continue to keep the price reachable.

Q: Do you agree with the claim of the State Department of Education that there is unnecessary duplication among higher education programs in Pennsylvania and that some effort should be made to eliminate "redundant" curricula?

A: I don't think it's easy to play God. I think that there are many risks involved. I would rather trust to the marketplace, in effect. I doubt that students will continue to choose institutions whose programs duplicate those at other institutions but are shoddy in quality and careless in approach.

We're in the middle of the age of the student consumer. I suspect that we will have as a result of this an increase in the paraphernalia of consumerism, the guides to programs — "Ten Easy Ways to Find the Institution of Your Choice."

But basically the real revolution is taking place in the freedom to transfer. Very few students go to college these days with a commitment to stay in one place for four years. They go with the idea that they'll try it out for one year. If they like it, they will go back for another year. But they don't have the kind of pre-freshman commitment that used to keep students on the campus without interruption for four years. They also have discovered that many colleges and universities are hungry for transfers. All of this is mostly to say that the student is in the position to do the cutting, and to eliminate the programs. I'd hate to see either a state agency or a voluntary group from higher education make decisions.

Q: Is there anything you would like to say to the faculty?

A: Ask them to remember that even provosts are human.

Copyright Act revision may require action by some faculty before Jan. 1

Congress has enacted a general revision of the Copyright Act, which, for most purposes, will become effective Jan. 1, 1978. During the fall term, the University Copyrights Committee will study the ramifications of the new law and a revised Policy will be developed. The notice below is "timely," i.e., action before a deadline may be needed in certain cases. Dr. Robert F. Custard, University patent counsel, has recently pointed out two instances in which authors may have options available only until Jan. 1, 1978. University authors currently involved with the creation and/or publication of copyrightable works should consider the two provisions set forth below and discuss any problems related to these provisions with their publisher since any related actions must be taken before Jan. 1, 1978.

Copyright term for unpublished works

Under the new Act, the term of protection for works first created on or after 1/1/78 is the life of the author plus 50 years. The term of protection for previously created works in which statutory copyright existed as of 1/1/78 is an original term of 28 years plus a renewal term of 47 years, or a total of 75 years from the date statutory copyright was first secured. As to 19 works, the renewal structure remains in effect, and is altered only by the addition of 19 years to the renewal term. A third category of works—those works created before 1/1/78 but protected by common-law copyright until 1/1/78. On this date all common-law copyrights will be preempted, and these works then will be protected by statutory copyright. The term of statutory protection for these works is life of the author plus 50 years, but whether or not the author has been dead for more than 50 years, the term of protection will continue until 12/31/2002, or if the work is published before 12/31/2002, until 12/31/2027.

For unpublished works which are presently protected by common-law copyright, the author (or his successor in interest) has a choice as to which copyright term will be applicable. If the work retains its common-law copyright status until 1/1/78, then the life plus 50-year term with the above minimums will be applicable. If between now and 1/1/78 a statutory copyright is obtained for the work, then the work will be protected for a total of 75 years from the date the statutory copyright is obtained.

Which term will prove longer and/or advantageous to the copyright owner will depend upon the authors' vital statistics. If the authors are already dead, then the 75 years from the date when statutory copyright is obtained will be the longer term. If the authors are living, and they are likely to die within the next 25 years, then it will probably be advantageous to select the term of 75 years from the date of statutory copyright; however, if life expectancy exceeds 25 years, preserving the common-law copyright status until 1/1/78 should be selected. If, after considering the above alternatives, it is concluded that the 75-year term is preferable, then in order to obtain this term, it is necessary to obtain a statutory copyright in the work prior to 1/1/78.

Termination of transfers in unpublished works previously the subject of an assignment or license

The new Act provides that under certain circumstances the authors (or their surviving spouses and/or children) may terminate transfers of copyright. In the situation where an assignment or license of renewal rights in a work has been executed prior to 1/1/78, and the work is presently protected by common-law copyright, one factor related to termination rights must be resolved prior to 1/1/78. If the assignment or license was executed before 1/1/78, and statutory copyright in the work has been obtained prior to 1/1/78, then the termination provisions of the new Act will be applicable. This means that for the additional 19-year period that has been added to the renewal term of copyright, the authors (and surviving spouses and/or children) may terminate any grant of renewal rights which they previously executed. But if a statutory copyright is not obtained prior to 1/1/78, then these termination rights will not be available. The new Act applies only to grants related to works in which a statutory copyright existed on 1/1/78.

Whether or not termination rights will be available with respect to a previously executed grant of renewal rights in a work presently protected by common-law copyright will depend upon what action is taken between now and 1/1/78. It may be in the interest of the grantor to obtain statutory copyright before 1/1/78, and it will be in the interest of the grantee to preserve the common-law copyright status of the work until 1/1/78. Who has the right to obtain statutory copyright prior to 1/1/78, the grantor, the grantee, or both, may depend upon the terms of the grant which has been previously executed.

University authors can obtain additional information from Dr. Custard at 865-1765.



Creation: *Life Force*, a sculpture by John Forham, has been presented to the University by Carburetorium Company. It is on display at the Materials Research Laboratory.

WPSX Highlights

The experiences of two aging women are captured on *Something Personal* Sunday, Sept. 4, at 7:30 p.m. In "Yudie," the first of two film portraits, an elderly New York resident tells about her early life, a divorce, and of living alone in the city. A 70-year-old retired music teacher is the subject of the second film, called "Older and Bolder."

Former Penn State president Milton S. Eisenhower is the guest on *Talkabout*, Tuesday, Sept. 6, at 7:30 p.m. Dr. Eisenhower discusses education in American and how it has changed over the years.

With the 1977 college football season underway, *TV Quarterbacks* returns to Channel 3 with coverage of game highlights, scouting reports, and interviews with members of the Nittany Lions' squad. Coach Joe Paterno joins series hosts Fran Fisher and Jim Tarman, live each Wednesday at 7 p.m., beginning Sept. 7.

Pennsylvania's economic future is the subject of the first program of *The Benjamin Franklin Symposium*, premiering Wednesday, Sept. 7 at 10 p.m. The four-part television series is based on a political symposium which was held to help the Pennsylvania General Assembly look ahead at the long-range issues facing the Commonwealth.

The four-year history of the partially completed nuclear power plant at Seabrook, N.H., provides the basis for an analysis of the country's energy problem on *Seabrook — Do We Need It?* Wednesday, Sept. 7, at 10:30 p.m.

Thursday, Sept. 8, at 9 p.m., a 90-minute documentary special, *Inside the Cuckoo's Nest*, compares the realities of treatment at the Oregon State Hospital with scenes from the Academy Award-winning film, *One Flew Over the Cuckoo's Nest*, which was shot on location at the hospital. Included are behind-the-scenes interviews with actors appearing in the feature film and scenes of actual therapy sessions at the institution. Among those appearing in the documentary is Dean Brooks, superintendent of the hospital, who also played the role of Dr. Spivey in the motion picture.

Speech, Hearing services are reaccredited

Penn State's Speech and Hearing Clinic has been granted accreditation for a third five-year period of its speech-language pathology and audiology services by the American Speech and Hearing Association.

Although there are more than 2,500 clinics and centers located throughout the country, less than 300 have been accredited to provide speech and hearing services, according to Dr. Bruce M. Siegenthaler, director of the clinic.

The comprehensive evaluation, which we requested, included a review of our staff, clinical practices and procedures, supervision, professional interrelationships, administration, records and reports, physical facilities and equipment," Dr. Siegenthaler said.

"Following this evaluation, the Professional Services Board granted accreditation."

Dr. Siegenthaler noted that the clinic will be reviewed each year to insure that it continues to meet the stringent national standards of the American Speech and Hearing Association.

The Speech and Hearing Clinic's services include hearing evaluation, consultation for selection of hearing aids, speech pathology diagnostic and therapy services for children and adults, and services to hearing impaired children and adults. The services of the program include otological evaluations as part of the diagnostic procedures.

The accreditation of speech pathology and audiology service programs is one part of the 26,000 member American Speech and Hearing Association's goal of encouraging and maintaining high nationwide standards.

In operation since 1939, the clinic is located in Moore Bldg. Coordinated with the clinical services is an Environmental Acoustics Research Laboratory and academic training programs through the doctorate in speech pathology, audiology and education of the hearing impaired. The clinic, while a part of the University, has a heavy schedule to support its clinical operations. The training programs prepare professional workers, researchers and teachers in the schools. Referrals to the Speech and Hearing Clinic are open to anyone; please call 814-865-5414.

Funding Sources

For further information, call 865-1372

(282-1) Faculty members may serve for one year as **DOT Research Fellows** under an IPA/DOT sponsored program. Twenty-two problem areas are cited for study, and study locations are almost as numerous. Selection notifications are made about 60 days after a proposal is submitted. (Ref. DOT Announcement)

(282-2) Program descriptions are available for **13 HEW programs** which are newly listed in the Catalog of Domestic Assistance. The programs are new and are newly funded as follows: (13-257) Nursing Research Service Awards; (13-338) Graduate Training in Public Health; (13-586) Bilingual Vocational Instructional Training; (13-587) Bilingual Vocational Instructional Materials, Methods, and Techniques; (13-640) Youth Research and Development; (13-879) Medical Library Assistance; (13-882) Hypertension Program; (13-883) National Health Planning Information Center; (13-884) Grants for Residency Training in General Internal Medicine and General Pediatrics; (13-885) Transfer of U.S. Students in Foreign Medical Schools to U.S. Schools; (13-886) Educational Programs for the Physician's Assistant; (13-887) Medical Facilities Construction Project Grants; and (13-888) Home Health Services Grant Program. (Ref. 1977 CFDA)

(283-1) Some new and/or newly funded **Federal programs** follow. The CFDA program descriptions are available: **Agriculture**: (10-066) Emergency Hay and Cattle Transportation Assistance and Livestock Feed; (10-825) Technical Assistance to Rural Areas; (10-908) Land Inventory and Monitoring. **Commerce**: (11-700) Academy Planning Assistance and (11-701) State Fire Incidence Reporting Assistance. **HUO**: (14-157) Housing for the Elderly and Handicapped and (14-220) Housing Rehabilitation Loans.

Staff Vacancies Calendar

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring prohibition. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 4754-367). Applications for these staff vacancies will be received until 5 p.m. Sept. 8. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT HEALTH PHYSICIST — Hershey Responsible to the Health Physicist for the daily operation of the Health Physics Laboratory and supervision of a varying number of technicians as well as carrying out an effective Medical Center monitoring program. Master's degree or equivalent in health physics, plus one to two years of directly related experience.

ASSISTANT DIRECTOR OF GRADUATE ADMISSIONS, GRADUATE SCHOOL — University Park Responsible to the Dean of the Graduate School and the Director of Admissions for assistance in the development and administration of the Graduate School admissions system. Bachelor's degree or equivalent, plus one year and up to and including two years of administrative experience.

Tuesday, Sept. 6
Ceramic Science, Tapan Gupta, Westinghouse Research and Development, on "Characteristics of Tetragonal Zirconia Ceramics," 11 a.m., Room 301 Mineral Industries.

Air Pollution Control, Robert J. Heinsohn, PSU, on "Source Sampling for Particulates," 2:20 p.m., Room 140 Fenske.

Thursday, Sept. 8
Metalurgy, Michael A. Hughes, University of Bradford, U.K., on "Interfacial Aspects of Solvent Extraction," 2 p.m., Room 301 Mineral Industries.

Microbiology & Cell Biology, E. V. Galfrey on "In Vitro Studies with Human Mammary Cells," 4 p.m., Room 52 Froar.

Stone Valley's fall schedule

The fall schedule for boat rentals is now in effect at Stone Valley. At the Mineral Industries Camp, canoes, rowboats and Sunfish sailboats may be rented weekdays from 10 a.m. to 6:30 p.m. and on weekends from 10 a.m. to 7:30 p.m. The Boathouse rental facility closed for the season Aug. 14. Stone Valley will remain open to picnicking and fishing, daily from sunrise to dusk.

Penn State Intercom

An Open Letter to the Penn State Community:

As the Fall Term begins, I realize that many of you have questions, anxieties, and perhaps some sense of confusion about the current budgetary impasse at the University in regard to the lack of an appropriation from the State Legislature. If some of you have been out of touch with developments this summer, let me state simply that the Legislature in late August passed a State budget eliminating all support to higher education at Penn State, Pitt, Temple, Lincoln, and the large number of private institutions that receive State grants and used these funds to support other agencies in the State.

Comments I made at the Summer Commencement exercises on August 27 relate to this unprecedented circumstance. I quote a few paragraphs here:

"This morning as I stand before you, I am more frustrated than I have ever been in my professional career spanning three major state universities.

"Most of you are aware of the legislative battle that has occurred in the last several days in the State in the effort to settle on a budget. The Legislature of our State has recently passed a budget providing some 300 million dollars of increases to branches of State Government, increases for State workers, for school subsidies, for the State colleges, special help for Philadelphia programs, and a host of other programs — none of whose value I argue with.

"My total frustration comes from the fact that to secure this 300 million dollars, the Legislature did not come to grips with the revenue problem and taxes. Rather it delayed action on taxes and took all of the funds that are normally appropriated for Penn State, Pitt, and Temple — and appropriated this money to provide for increases to meet the needs of other State responsibilities.

"This leaves Penn State at this point with zero dollars from the Commonwealth. To operate — and operate we will — we must borrow the funds, incurring the necessary interest that goes with borrowing.

"Several State leaders and the Governor gave absolute assurance that as soon as the Legislature returns in late September, consideration of University appropriations and the necessary taxes to support them will be given highest priority. My deep concern is that we have been placed in the situation that the burden for raising taxes, which is difficult at any time, appears now solely, only, and totally to relate to one activity of the State — namely, higher education — and not to total needs of the Commonwealth.

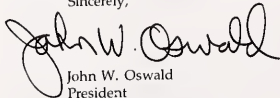
"Higher education is as bipartisan as anything that exists in this State. We are neither a Democratic nor a Republican University; we are a University of all the people of this State. At times during this partisan argument, people from both sides of the aisle urged me to get into the fray. I could not and will not drag this University into a partisan debate."

Frustration need not mean discouragement. Rather, it can challenge us to overcome adversity. We must maintain our faith that reason and good sense will prevail. It is beyond belief that the Commonwealth could let the foundations of this University and universities like Pitt, Temple, and Lincoln slip away any more than the State of Ohio could let Ohio State University slip away, or the State of Michigan let the University of Michigan or Michigan State University slip away. I am certain that good sense will prevail when the Legislature reconvenes to consider our appropriation September 26.

In addition, we must exercise patience and perspective in dealing with frustration. Penn State is a university that has existed for 118 years and has graduated more than 200,000 young people — some 100,000 of whom live and work within Pennsylvania, many of them in positions of key leadership. Penn State must — and will — continue to provide quality education, essential public services, and vital research. The future of our young people, the health of Pennsylvania's economy, and the very life of the Commonwealth demand it.

We will continue this Fall Term to operate under the most stringent economies and with borrowed money. We can take encouragement in knowing that a great many people are working together on behalf of Penn State as we marshal our efforts to emerge from this budgetary crisis with an appropriation adequate for the quality of services we are committed to provide. Together we must do everything possible and leave no stone unturned to see that Penn State continues as a strong University. Each of us, in our own way, can contribute to this strength.

Sincerely,


John W. Oswald
President



This year's student orientation program used an actual balloon, tethered at the Pollock intramural fields near Eisenhower Auditorium, to emphasize its theme, "Getting off (to a good start)."

News in Brief

Performing Arts series announced

Bubbling Brown Sugar, the musical that brought to Broadway all the glitter of the Jazz Age, will open the 1977-78 season of the Artists Series' Performing Arts division at 8:30 p.m. on Tuesday, Sept. 20, in Eisenhower Auditorium.

Tickets for the performance, and for others in the Performing Arts series, will be on sale from 9 a.m. to 4 p.m. on Thursday, Sept. 15, and Friday, Sept. 16, at the box office in Eisenhower Auditorium.

Other highlights of the 1977-78 season will include a matinee performance of *My Fair Lady*, starring Edward Mulhare and Anne Rogers, on Sunday, Oct. 30, and special holiday performances on Saturday, Dec. 3, and Sunday, Dec. 4, of "The Nutcracker," by the Pittsburgh Ballet Theatre.

On Saturday, Feb. 4, Michael Tilson Thomas will conduct the Pittsburgh Symphony Orchestra and the University Choirs in a performance of Mahler's Symphony No. 2 in C Minor. The Paul Taylor Dancers will present a program of innovative dance on Saturday, Feb. 18, and the Jury's Irish Cabaret of Dublin, a company of songsters, storytellers, fiddlers and others, will perform on Sunday, March 19.

Mail orders will be accepted after Sept. 16 for tickets to all events other than *Bubbling Brown Sugar*. In addition, although tickets cannot be reserved by phone, orders charged to Visa and Master Charge will be accepted. For more ticket information, call 865-1871.

Newcomers welcome planned

The Newcomers Club of the Faculty Women's Club is again planning a series of tall coffees to welcome women who are

new to University Park. Membership is open both to incoming faculty and administrators or their wives. Persons transferring from one of the Campuses are equally welcome.

The "coffees" will be held the week of Sept. 18, prior to the fall reception of Sept. 29, and a complete schedule will be issued next week. At these introductory programs, newcomers can learn about the community, the University, local organizations and places of interest. Anyone who has not been contacted by Sept. 15 or who wishes more information about the club can call Jean Hoffman at 234-0653.

Sports Camps boom

Some 2,000 high school boys and girls attended Penn State Sports Camps at University Park this summer, up from 1,500 last year and 900 in 1975. Ten sports

are offered — baseball, basketball, competitive swimming, field hockey, football, gymnastics, soccer, springboard and tower diving, track and field, and wrestling. According to conference coordinator Robert Beam, who administers the program, there were 20 camps this year as compared to seven in 1975.

Life Sciences Library invites faculty visits

New faculty are invited to visit the Life Sciences Library, E205 Pattee, at 4 p.m. on either Monday, Sept. 12, or Thursday, Sept. 15, for an orientation program. Library staff will be happy to arrange special orientation programs for classes. Arrangements may be made by phoning 865-7056.

Elsewhere in Academe

Wisconsin extends tenure

To open the door to younger faculty in departments where most of the professors are already tenured, the regents of the University of Wisconsin have approved a proposal to extend the tenure probation period from seven to ten years. Judgments on a faculty member's eligibility for tenure will still be made at the end of six years. When no positions are available, qualified personnel will receive three-year appointments to the academic staff; and if an opening occurs during this period, they will receive tenure.

More women on campus

The U.S. Census Bureau reports that the number of women under 35 attending

(Continued on page 4)

University Park Calendar

FALL TERM 1977

Special Events

Wednesday, Sept. 7
P.S.O.C. Hiking Division meeting, 7:30 p.m., Room 214 Boucke.
Jazz Dance Theatre Company auditions, 7 p.m., Room 119, Arts Bldg.
Omnicore Delta Epsilon meeting, 7:30 p.m., Room 101 Kern.
G.S.A. Commonsplace Theatre, *The Treasure of Sierra Madre*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series, American Film Theatre, Eugene Ionesco, *Rhinoceros*, 8 p.m., Eisenhower Auditorium.

Thursday, Sept. 8
Fixed date for meetings involving Commonwealth Campus faculty.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Jazz Dance Theatre Company auditions, 7 p.m., Room 119 Arts Bldg.

Friday, Sept. 9
Fixed date for meetings involving Commonwealth Campus faculty.
Last date for registering with foreign language departments (other than French and Spanish) for written language examinations.
Sports: soccer, vs. Lock Haven, 7 p.m.

Saturday, Sept. 10
Fixed date for meetings involving Commonwealth Campus faculty.
P.S.O.C. Hiking Division, annual ascent of Mount Nittany via north face, 1:30 p.m., HUB lawn.
Sports: field hockey, Penn State Invitational.

Sunday, Sept. 11
P.S.O.C. Hiking Division, trail clearing in Rothrock State Forest, free cubs steak supper, 9 a.m., HUB parking lot.
University Chapel service, The Rev. Charles L. Coleman, PSU, 11 a.m., Eisenhower Chapel.
Sports: field hockey, Penn State Invitational.

Week of Sept. 12

Monday, Sept. 12
Intramural sports: men's graduate student and faculty/staff bowling (round robin), entry open. Entry closes, noon, Sept. 15, Intramural Bldg.
france-cinema, Duvivier, *The Man in the Raincoat* (1956), a comedy spoof starring Fernandel, 7 and 9 p.m., Room 112 Kern.

Tuesday, Sept. 13
U.S.C. Health Fair, all day, HUB ballroom and north lounge, through Sept. 15.
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1, Faculty Club, William Schmalstieg on "A Few Notes on the Igor Tale."

Wednesday, Sept. 14
Department of Material Sciences Nelson W. Taylor memorial lecture, Elbert F. Osborn, Carnegie Institution of Washington, former director, U.S. Bureau of Mines; vice-president for research emeritus of Penn State, on "The Mineral Shortage and What Can Be Done About It," 3:45 p.m., Room 112 Kern.
G.S.A. Commonsplace Theatre, *To Have and Have Not*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series, The Cleveland Orchestra, 8:30 p.m., Eisenhower Auditorium.

Thursday, Sept. 15
Add deadline.
Department of Material Sciences Nelson W. Taylor memorial lecture, Elbert F. Osborn, Carnegie Institution of Washington, on "Can We Be Self-Sufficient in Mineral Resources?" 3:45 p.m., Room 112 Kern.
International Council lecture, 7:30 p.m., Room 101 Kern.

Friday, Sept. 16
Sports: soccer vs. Trenton State, 7 p.m.
International Council film, 7:30 p.m., Room 112 Kern.

Saturday, Sept. 17
P.S.O.C. Hiking Division, backpack on Quehanna Trail, through Sunday.
Sports: football, vs. Hebron, 1:30 p.m.
Shaver's Creek Nature Center, bird banding and other things, with campfire, 8 p.m., Stone Valley.

Sunday, Sept. 18
University Chapel service: Donald Barrett, Gulf Oil Corporation, Pittsburgh, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, fall wildflowers and weeds walk, 2 p.m., Stone Valley.
Free U registration, 1-6 p.m., HUB ballroom.



Week of Sept. 19

Monday, Sept. 19
Last date for Nov. graduates to activate diploma cards in Registrar's Office and pay these fees at Bursar's Office.
Deadline for IAHS sponsored faculty research grants for winter and spring term, Ithaca College.
Shakespeare film, *Henry V* (Olivier), 6:30 p.m., Room 101 Chambers. Free admission.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Sept. 20
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club, Hugh Chapman on "Mollers."
University Senate Council meeting, 2:10 p.m., Room 101 Kern.
Sports: women's tennis, vs. Lock Haven, 2:20 p.m.; field hockey, vs. Millersville, 2:30 p.m.
Shakespeare film, *Henry V* (Olivier), 6:30 p.m., Room 101 Chambers. Free admission.
Free U classes begin.
france-cinema, Bourguignon, *Sundays and Cybele* (1962), the friendship between a girl and a war veteran, 7 p.m., Room 112 Kern.
English colloquium, Joanne Trautman, Hershey, on "Virginia Woolf and Company: Selections from Her Letters," 8 p.m., Room 101 Kern.
Artists Series, *Bubbling Brown Sugar*, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Sept. 21
5 O'clock Theatre, Dieter, 5:30 p.m., The Playhouse. Tickets available at The Playhouse box office on days of performance.
Sports: soccer, vs. Scranton, 7 p.m.
G.S.A. Commonsplace Theatre, *Castaneda*, 7:30 and 9:30 p.m., Room 112 Kern.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Sept. 22
Passfall deadline.
Board of Trustees meeting, Room 402 Keller.
Friends of the Museum of Art Gallery Talk.
Dianne Pilgrim, curator of decorative arts, Brooklyn Museum, on "The Victorian Collections and Period Rooms of The Brooklyn Museum," 10:30 a.m., Museum of Art.
5 O'clock Theatre, Dieter, 5:30 p.m., The Playhouse.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Spanish Dept. music/poetry performance, 8 p.m., Room 112 Kern.

Friday, Sept. 23
Passfall deadline.
Board of Trustees meeting, Room 402 Keller.
5 O'clock Theatre, Dieter, 5:30 p.m., The Playhouse.

Saturday, Sept. 24
College of Agriculture Hort Show, 8 a.m.-8

p.m., Ice Pavilion.
Sports: women's cross country, Lady Lion Invitational; football, vs. Maryland, 1:50 p.m.

Sunday, Sept. 25
P.S.O.C. Hiking Division, joint trail clear with Bucknell Outing Club on R. B. Winter extension in Bald Eagle State Forest, free picnic supper, 9 a.m., HUB parking lot.
University Chapel service, Gordon C. Godbey, PSU, 11 a.m., Eisenhower Chapel.
College of Agriculture Hort Show, 10 a.m.-5 p.m., Ice Pavilion.
Shaver's Creek Nature Center, animal homes and signs walk, 2 p.m., Stone Valley.

Week of Sept. 26

Monday, Sept. 26
Drop deadline.
Passfall deadline.
Course repeat deadline.
Preregistration deadline for winter term, 1978.
Intramural sports: men's graduate student and faculty/staff handball singles (round robin) and volleyball (round robin), entry open.
Entry close, noon, Sept. 29.
france-cinema, Duvivier, *Pope le Moko* (1937) the original Cashab movie, starring Jean Gabin, 7 and 9 p.m., Room 112 Kern.
Robert Trehy, baritone, accompanied by John Wustman, University of Illinois, IAHS visitor, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Sept. 27
Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.
Sports: field hockey, vs. Lock Haven, 3 p.m.; soccer, vs. West Chester, 7 p.m.
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club, John Kaiser.
Artists Series, Lloyd film, *The Freshman*, 8 p.m., Eisenhower Auditorium.

Wednesday, Sept. 28
G.S.A. Commonsplace Theatre, *The Big Sleep*, 7:30 and 9:30 p.m., Room 112 Kern.
Music Dept. wind faculty, 8:30 p.m., Music Bldg. recital hall.

Thursday, Sept. 29
Sports: women's tennis, vs. Mary Baldwin, 9:30 a.m.
Faculty Women's Club fall reception, 7:30-9:30 p.m., Rooms 101 and 102 Kern.

Friday, Sept. 30
Sports: i.v. football, vs. Fork Union, 2 p.m.
Artists Series, Vienna Choir Boys, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 1
Last date for Nov. graduates to deliver doctoral theses to Committee.
P.S.O.C. Hiking Division, backpack on Pine Creek in Tiadaghton State Forest, through

Sunday.
Sports: football, vs. Kentucky, 1:30 p.m.
Outdoor pool closes officially, possibly open on a temporary basis, depending on weather.

Sunday, Oct. 2
University Chapel service, Richard Shaull, Princeton Theological Seminary, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, pods, prickles, and paracuties, 2 p.m., Stone Valley.

Week of Oct. 3

Monday, Oct. 3
Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers. Free admission.
france-cinema, Berni, *The Two of Us* (1968), a rare relationship between an old man and a small boy, 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 4
Fixed date for meetings involving Commonwealth Campus faculty.
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club, John Dixon Hunt on "Rosetti."
University Faculty Senate meeting, 2:10 p.m., HUB assembly.
Shakespeare film, *Hamlet* (Richardson/Williamson), 6:30 p.m., Room 101 Chambers. Free admission.
English colloquium, 8 p.m., Room 101 Kern.

Wednesday, Oct. 5
P.S.O.C. Hiking Division meeting, James Lindzey will talk on the Pennsylvania black bear, 7:30 p.m., Room 214 Boucke.
Student preview of *A View From the Bridge*, 8 p.m., Pavilion Theatre.
G.S.A. Commonsplace Theatre, *Maltese Falcon*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series, American Film Theatre, Edward Albee, *A Delicate Balance*, 8 p.m., Eisenhower Auditorium.
Earl Williams, cello, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 6
University Theatre, Arthur Miller, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Sports: women's tennis, vs. Colgate, 1:30 p.m.

Friday, Oct. 7
Fixed date for meetings involving Commonwealth Campus faculty.
Homecoming Alumni Tea, 4:45 p.m., Room 101 Kern.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 8
Fixed date for meeting involving Commonwealth Campus faculty.
Last date for final oral doctoral examinations for Nov. graduates.
Last date for Nov. graduates to deliver master's theses or papers to advisors.
Sports: men's fencing, varsity/university meet, 8 a.m.; men's cross-country, vs. Kent State and Bucknell, field hockey, vs. Ohio State, 10 a.m., football, vs. Utah State, 1:30 p.m.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Sunday, Oct. 9
P.S.O.C. Hiking Division, introduction to orienteering, 9 a.m., HUB parking lot.
University Chapel service, The Rev. Elmer A. Vastyan, Hershey Medical Center, 11 a.m., Music Bldg. recital hall.
Shaver's Creek Nature Center, autumn ramble, 2 p.m., Stone Valley.
Artists Series, *Shakespeare's People*, 8:30 p.m., Eisenhower Auditorium.

Week of Oct. 10

Monday, Oct. 10
E.A. Day Memorial Lecture in Food Science, Andrew A. Benson, Scripps Institution of Oceanography, former PSU professor of agriculture and biochemistry, on "Oceanic Food Chains and Challenges," 11 a.m., Room 112 Kern.
Shakespeare film, *Macbeth* (Schaefer/Edwards), 6:30 p.m., Room 101 Chambers. Free admission.

Tuesday, Oct. 11
Sports: field hockey, vs. Cortland, 2:30 p.m.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club, Robert Schmalz on "Atlantis."

Wednesday, Oct. 12

University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
G.S.A. Commonsplace Theatre, *Lost Weekend*, 7:30 and 9:30 p.m., Room 112 Kern.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 13

Faculty Women's Club, "A Morning at the Art Museum," 10 a.m., Museum of Art.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
IAHS lecture, Philip Radcliffe, University of Manchester on "TV: Culture with a Capital C?" 8 p.m., Room 112 Kern.

Friday, Oct. 14

Sports: soccer, vs. Maryland, 7 p.m.
International Council film, 7:30 p.m., Room 112 Kern.
Shaver's Creek Nature Center, stars, myths and legends, 8 p.m., Stone Valley.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Faculty Club, fall dance, 9 p.m., Faculty Club, Jil Olson, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 15

P.S.O.C. Hiking Division, overnight foraging trip, through Sunday.
Shaver's Creek Nature Center, adventure series, children 7 and older, registration necessary — 865-1851, 10a.m.-3 p.m., Stone Valley.
Sports: men's cross country, Penn State Open; women's cross country, vs. Michigan State; women's golf, EAIAW Championships; field hockey, vs. East Stroudsburg, 2 p.m.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Artists Series, National Theatre of the Deaf, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 16

P.S.O.C. Hiking Division, famous flaming fall foliage hike in Thickdead Mountain Wild Area, 9 a.m., HUB parking lot.
University Chapel service Jerome Weinstein, Central Daily Times, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, old time pioneer crafts festival, noon-5 p.m., Stone Valley.
Sports: women's golf, EAIAW Championships.

Week of Oct. 17

Monday, Oct. 17

Color Slide Club, 7:30 p.m., Room 112 Kern.
Music Bldg. recital hall.

Tuesday, Oct. 18

Friends of the Museum of Art Gallery Talk.
Hedy Landman, museum consultant, on "East to West: Chinese Export Porcelain," 10:30 a.m., Museum of Art.
University Senate Council meeting, 2:10 p.m., Room 101 Kern.
English colloquium, 8 p.m., Room 101 Kern.
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club. Philip Radcliffe on "Mass Communication and the Developing Countries."

International Council lecture, 7:30 p.m., Room 112 Kern.

Wednesday, Oct. 19

G.S.A. Commonsplace Theatre, *The Wild Bunch*, 7:30 and 9:30 p.m., Room 112 Kern.
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 20

Afro-American Studies Forum. James E. Lewis, Morgan State University, Baltimore, will speak on African art and Black art in the Western hemisphere, 8 p.m., Room 101 Kern.

Friday, Oct. 21

Sports: j.v. football, vs. Milford Academy, 2 p.m.; soccer, vs. Navy, 7 p.m.
Un-Common Theatre, Neil Simon, *The Good Doctor*, 8 p.m., Room 112 Kern.
Artists Series, Vermeer Quartet, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 22

Sports: football, vs. West Virginia, 1:30 p.m.
Un-Common Dinner Theatre, Neil Simon, *The Good Doctor*, 8 p.m., Room 112 Kern.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 23

P.S.O.C. Hiking Division, trail clearing on Mid State Trail, free picnic supper, 9 a.m., HUB parking lot.
University Chapel service. The Rev. Donald Davis, PSU, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, nature discovery walk, 2 p.m., Stone Valley.
Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 102 theatre, Neil Simon, *The Good Doctor*, 8 p.m., Room 112 Kern.

Week of Oct. 24

Monday, Oct. 24

Last date for Nov. graduates to deliver theses to Graduate School Office.
Last date for Departments to certify to Graduate School completion of required papers for Nov. graduates.

First day for signing winter term NSDL and University long term loans at 108 Shields.
Shakespeare film, *King Lear* (BrookSchofield), 6:30 p.m., Room 101 Chambers. Free admission.

Raymond Brown, bass-baritone, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Oct. 25

Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club. Dominique Jauch on a topic in French philosophy.
Central Pa. Society of the Archaeological Institute of America lecture, James Russell, University of British Columbia, on "Rome's Northernmost Frontier," 8 p.m., Room 101 Kern.

Artists Series, Keaton films, *The Playhouse and The General*, 8 p.m., Eisenhower Auditorium.

Wednesday, Oct. 26

G.S.A. Commonsplace Theatre, *Midnight Cowboy*, 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, *Something's Afoot*, student preview, 8 p.m., The Playhouse.
Alard Striving Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 27

Sports: field hockey, vs. Maryland, 2:30 p.m. Bldg. Halloween party, 6:30 p.m., Kern Graduate Bldg.
University Theatre, *Something's Afoot*, 8:00 p.m., The Playhouse.

Friday, Oct. 28

P.S.O.C. Hiking Division, idiot overnight (wait all night on Mount Nittany for the Great Pumpkin to show up).
Sports: j.v. football, vs. Wesley Jr. College, 2 p.m.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.
Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 29

Sports: football, vs. Miami, 1:30 p.m.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.
Shaver's Creek Nature Center, ghouls and beasties and things that go bump in the night, 8 p.m., Stone Valley.

Sunday, Oct. 30

Sports: women's cross country, Blue & White Invitational.
P.S.O.C. Hiking Division, lost locomotive hunt in the Seven Mountains, 9 a.m., HUB parking lot.
University Chapel service. Doris M. Seward, PSU, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, historical walk, 2 p.m., Stone Valley.
Artists Series, *My Fair Lady*, matinee, 3 p.m., and 8:30 p.m., Eisenhower Auditorium.

Week of Oct. 31

Monday, Oct. 31

Last drop deadline.
Last day for signing fall term NSDL and University long term loans at 108 Shields.
Shakespeare film, *A Midsummer Night's Dream* (Hall/Riggs), 6:30 p.m., Room 101 Chambers. Free admission.

Tuesday, Nov. 1

Fixed date for meetings involving Commonwealth Campus faculty.
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club. Leon Lyday.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: field hockey, vs. Delaware, 2:30 p.m.; soccer, vs. Pittsburgh, 7 p.m.
Shakespeare film, *A Midsummer Night's Dream* (Hall/Riggs), 6:30 p.m., Room 101 Chambers. Free admission.

Artists Series, Lloyd films, *Safety Last* and excerpts from *Hot Water*, 8 p.m., Eisenhower Auditorium.
English colloquium, 8 p.m., Room 101 Kern.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Wednesday, Nov. 2

G.S.A. Commonsplace Theatre, *On the Waterfront*, 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Philip Dettra, piano, 8:30 p.m., Music Bldg. recital hall.

Thursday, Nov. 3

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.
Artists Series, The Chamber Music Society of Lincoln Center, 8:30 p.m., Eisenhower Auditorium.

Friday, Nov. 4

Sports: soccer, vs. Temple, 7 p.m.
International Council film, 7:30 p.m., Room 112 Kern.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series Jazz Festival, 8:30 p.m., Eisenhower Auditorium.
Nittany Knights-beneth, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 5

P.S.O.C. Hiking Division, cross country (bushwhack) backpack, through Sunday.
Shaver's Creek Nature Center, adventure series, children 7 and older, registration necessary — 865-1851, 10 a.m.-3 p.m., Stone Valley.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series Jazz Festival, 8:30 p.m., Eisenhower Auditorium.

Sunday, Nov. 6

P.S.O.C. Hiking Division, hike on Centre Hall Mountain and the other Greens Valley, 9 a.m., HUB parking lot.
University Chapel service. The Rev. Marcus Meckstroth, Faith United Church of Christ, State College, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, mammals, skinning and tanning, 2 p.m., Stone Valley.
Artists Series Jazz Festival, 8:30 p.m., Eisenhower Auditorium.

Week of Nov. 7

Monday, Nov. 7

Intramural Sports: women's swimming (open); co-ed volleyball (round robin); men's graduate student and faculty/staff basketball (round robin) and squash (round robin); entry open. Entry close, noon, Nov. 10, Intramural Bldg.
Shakespeare film, *As You Like It* (Czinner/Oliver), 6:30 p.m., Room 101 Chambers. Free admission.
G.S.A. Commonsplace Theatre, *Intestigation of a Citizen Althea Suspect*, 7:30 and 9:30 p.m., Room 112 Kern. Free babysitting and free admission.

Leonard Feldman, 'cello, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Nov. 8

Shakespeare film, *As You Like It* (Czinner/Oliver), 6:30 p.m., Room 101 Chambers. Free admission.

Wednesday, Nov. 9

G.S.A. Commonsplace Theatre, *All the King's Men*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series, American Film Theatre, David Storey, *In Celebration*, 8 p.m., Eisenhower Auditorium.
Artists Series, Edward Tarr, trumpet and George Kent, organ, 8:30 p.m., Music Bldg. recital hall.

Thursday, Nov. 10

Board of Trustees meeting, Room 402 Keller.

Friday, Nov. 11

Board of Trustees meeting, Room 402 Keller.
Faculty Women's Club luncheon/lecture.

Exhibits

Anthropology Museum

Open Tuesday and Thursday, 9 a.m.-noon and Wednesday, 1-5 p.m. Entrance at rear of Sparks near blue mail box.
Central American and Mexican Pre-Columbian exhibit.
Ethnographic artifacts of Ethiopia.

Earth and Mineral Sciences Museum

Open Tuesday — Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., and by appointment. Mineral Industries Bldg.

Frost Entomological Museum

Open weekdays 9 a.m.-noon and 1-4:30 p.m., Room 102 Patterson. Special gypsy moth exhibit.

Hammond Gallery

Neil Feather and Marilyn Ranker, Nov. 1-13.

HUB Gallery

Smithsonian Institution exhibit, "The Seat of American Invention," the development of American chairmaking, Sept. 1-25.
Bruce Schwabach, paintings, Sept. 1-30.
Homecoming exhibit, Oct. 1-15.
San Francisco posters and PSU Wildlife Society exhibit, Oct. 16-29.
Paul O'Hara, sculpture, and Joan Sonnenberg, prints, Oct. 30-Nov. 30.

Kern Commons Gallery

Waskewich prints, Sept. 6-9.
Prints by faculty and graduate students, Sept. 17-Oct. 1.
Walker Benson, photographs, Sept. 17-Oct. 1.
Nancy Norton, stained glass, Sept. 17-Oct. 1.
Michael Ondik, photographs, and Les Rishel, wood sculpture, Oct. 1-15.
Multi-media Fire Prevention Week exhibit, Oct. 1-8.

Barbara Hackman Franklin on "The Growth of the Consumer Movement and Current Product Safety Issues," noon, Nittany Lion Inn.

Saturday, Nov. 12

Last date for submitting petitions to Records Officer to graduate in absentia on Nov. Sports: football, vs. Temple, 1:30 p.m.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Nov. 13

P.S.O.C. Hiking Division, exploration in Little Juniata Natural Area, 9 a.m., HUB parking lot.
University Chapel service, T. Vannora Vittach, United Nations, New York, 11 a.m., Music Bldg. recital hall.

Shaver's Creek Nature Center, winter trees and evergreen walk, 2 p.m., Stone Valley.
Sports: men's cross country, Eastern USSTF Championships.

Week of Nov. 14

Monday, Nov. 14

Fall term classes end, 9:55 p.m.
Last day for signing fall term emergency loans at 108 Shields.

Tuesday, Nov. 15

Final Examinations.
Friends of the Museum of Art Gallery Talk.
Edward Bryant, Picker Art Gallery, Colgate University, on "John Koch and American Art," 10:30 a.m., Museum of Art.
University Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, Nov. 16

Final examinations.

Thursday, Nov. 17

Final examinations.

Friday, Nov. 18

Final examinations.

Saturday, Nov. 19

Final examinations (until noon).
Sports: fencing, PSU Open (men and women), all day.

Sunday, Nov. 20

Shaver's Creek Nature Center, weeds in winter, 2 p.m., Stone Valley.
Sports: fencing, PSU Open (men and women), all day.

Week of Nov. 21

Monday, Nov. 21

Fixed date for meetings involving Commonwealth Campus faculty.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Nov. 22

Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 24

Thanksgiving day, holiday.

Saturday, Nov. 26

Commencement.

Pennsylvania Guild of Craftsmen,

multi-media, Oct. 15-29.
Edward S. Curtis, North American Indian photographs, Oct. 22-Nov. 5.

Museum of Art

Arne Jacobsen: Danish architect and designer, through Oct. 30.

William Cullen Bryant collection, Sept. 11-Oct. 23.

Contemporary stage design, through Oct. 2.
Wonderlich exhibition; Kenneth Bittel, recent works; John Koch, models and moments, opens Nov. 6.

Museum of Art HUB Gallery

Esmark collection, Currier and Ives, through Oct. 23.

Supernud exhibition, opens Oct. 30.

Pattee Galleries

Bob Andriuli, Sept. 8-Oct. 10, East Corridor Gallery.
Steve Marvill, color photography, Sept. 6-Oct. 10, Lending Services Lobby.

Sackett Gallery

Systems, drawings and three dimensional models, through Sept. 20.

Zoller Gallery

M.F.A. exhibition, Sept. 10-21. Reception, Sunday, Sept. 11, 3-5 p.m.
Faculty exhibition, Sept. 24-Oct. 3. Reception, Sunday, Sept. 25, 3-5 p.m.
William King, sculpture, Oct. 8-Oct. 21.
Reception, Oct. 9, 9-3 a.m.
Larry Edwards and Bill Hanson, paintings, Oct. 22-Oct. 30. Reception, Sunday, Oct. 23, 3-5 p.m.
Supernud, Nov. 3-16.

Penn Staters

Dr. Ralph T. Heimer, professor of education, has been selected as one of 20 outstanding mathematics educators from the United States to participate in a National Council of Teachers of Mathematics study visit to the Peoples Republic of China. The visit, scheduled for this fall, will consist of 29 days in China. The group will visit school classrooms, universities, communes, teacher training institutions, plants and factories and pedagogical institutes. The study group also will spend five days in Japan as guests of the Japanese Mathematical Society.

Dr. Heimer, a graduate of Lock Haven State College, received his master and doctor of education degrees at Penn State. He was associate professor of mathematics at Lock Haven State College from 1958 to 1960 and has been a member of the Penn State faculty since 1966.

Wrestling coach William H. Koll, assistant professor of physical education, is one of ten men elected to the National Wrestling Hall of Fame. He will be formally inducted on Saturday, Sept. 24, in Stillwater, Okla., where the Hall of Fame and National Museum are operated by the U.S. Wrestling Federation. As a wrestler at Northern Iowa (then Iowa Teachers College), Mr. Koll was a three-time National Collegiate Athletic Association champion (1946-47-48) and was undefeated in 72 collegiate matches. In his junior and senior seasons he became the first person ever to be honored twice as the NCAA's outstanding wrestler. He has been head coach at Penn State for the past 13 years.

Dr. Donald E. Fahnlne, assistant professor of physics at Altoona, will serve as acting associate director for academic affairs at the Campus during 1977-78. He replaces Jack G. Zubrod, who retired last May.

Dr. Roy E. Myers, associate professor of mathematics at New Kensington, is serving as acting associate director for academic affairs at the Campus until a permanent associate director is found. Dr. Robert D. Arbuckle, who previously held the post, was named director of the Campus in July.

"Soil Warming for Utilization and Dissipation of Waste Heat in Pennsylvania" was the topic of a paper presented by Dr. David R. DeWalle, associate professor of forest hydrology and affiliate of the Institute for Research on Land and Water Resources, at the Topical Meeting on Low Temperature Nuclear Heat held in Helsinki last month. He also co-authored a paper with Dr. Warren W. Witzig, professor and head of nuclear engineering, which Dr. Witzig presented at the meeting. It was entitled "A Summary of United States Activities in Low Temperature Nuclear Heat."

Dr. Robert W. Ott, associate professor of art education, presented an invited paper at the Seventh World Congress of the International Association for the Advancement of Education Research held this summer in Ghent, Belgium. The theme of the Seventh Congress was "Self-Realization through Education," and Dr. Ott's paper was titled "Methodological Studies for the Supervision and Development of Art Teaching in Schools and in Museums."

Dr. Fred Rapp, professor and chairman of microbiology in the College of Medicine, has been named one of 21 Sigma Xi National Lecturers for 1977-78. Sigma Xi, a scientific research society, has for 40 years sponsored the national college of lecturers in order to give local chapters and clubs the opportunity to hear nationally known scientists discuss particularly lively areas of current research in a manner appropriate for interdisciplinary

audiences. Active in virus and cancer research for 25 years, Dr. Rapp is the author or coauthor of more than 300 publications.

Dr. Francis M. Dwyer, senior research associate and coordinator of instructional evaluations in UDIS, has been appointed to the National Science Foundation's advisory panel to evaluate proposals submitted in the Research in Science Education Program (RISE). The RISE program provides support for exploratory research, innovative teaching strategies, and other related communication technologies and systems designed to improve the quality and efficiency of learning at all levels of science education.

Dr. Della M. Roy, professor of materials science, has been appointed head of a new committee that will investigate the status of cement and concrete research and development in the United States. The committee is being organized by the National Materials Advisory Board, which operates under the Commission of Sociotechnical Systems of the National Research Council. Other committee members will represent university, industrial and non-profit research efforts, plus liaison people from U.S. government agencies.

Dr. Gordon C. Godbey, associate dean for Commonwealth Campuses and Continuing Education, College of Education, has been appointed to a one-year term on the Pennsylvania Community Education Advisory Council by Caryl M. Kline, the State's Secretary of Education.

Dr. A. J. Ferraro, professor of electrical engineering, has been appointed a member of the Arco Scientific Advisory Committee. This is a committee of 12 scientists who advise the Director of the National Astronomy and Ionosphere Center on operations of the Arco Observatory in Puerto Rico. The observatory is a research facility operated by Cornell University under contract with the National Science Foundation and is the location of the large 1000-foot radio telescope.

WPSX Highlights

Alec Guinness stars as an impassioned scientist and the inventor of a miracle fabric in *The Man in the White Suit* Saturday, Sept. 10, at 3 p.m. Part of the three-credit University of the Air course, *Foreign Film: Theme, Form, and Style*, the 1951 film classic can also be seen Sunday, Sept. 11, at 6 p.m.

Women in the United States outlive men by six or seven years, creating about 10 million American widows. Five widows are the subject of film portraits in "Till Death Do Us Part," Sunday, Sept. 11, at 7:30 p.m. on *Something Personal*.

A landmark in public television history will be revived Sunday, Sept. 11, at 10 p.m. when *The Forsythe Saga* returns to Channel 3. Described as "an instant classic" by the New York Times, the 26-episode series is based on two trilogies of novels by John Galsworthy.

Movement education, a new teaching technique in physical education, is the subject of *Talkabout*, Tuesday, Sept. 13, at 7:30 p.m. Jill Rattray and Betty Arink, both professors of physical education at Penn State, and Gladys Hart, president of the State College Chapter of the Association for Children with Learning Disabilities (ACLD), discuss the advantages movement education has for normal and disabled youngsters who do not excel in sports.

Gordon F. Dejong, professor of sociology and associate director of the Population

Funding Sources

For further information, call 865-1372

(284-1) The NSF Student Originated Studies (SOS) program has a Nov. 4 closing date. Baccalaureate degree granting institutions are eligible sponsors. Students must be regularly enrolled as juniors, seniors, or graduate students. Support includes stipends, operating expenses, and indirect costs. (Ref. SE 78-22)

(285-1) The American Association for University Women (AAUW) Education Foundation supports fellowships to both American and international graduate women. American fellowships are for dissertation or postdoctoral level or final year in selected professions (deadline Dec. 15). International fellowships are for graduate study (deadline Dec. 1). (Ref. AAUW letter & brochure)

Seminars

Monday, Sept. 12
Biochemistry/Biophysics, Robert Barker, Michigan State University, on "Studies with 13 C-Enriched Carbohydrates," 3:55 p.m., Room 101 Altohouse.

Tuesday, Sept. 13
Applied Research Laboratory, A. M. Jacobs on "Non-destructive Testing by X-ray Backscattered Imaging," 10:45 a.m., Walker Conference Room, Applied Sciences Bldg. Biochemistry/Biophysics, Robert Barker, Michigan State University, on "The Biochemical Synthesis of Glycosides," 11:10 a.m., Room 101 Altohouse. Air Pollution Control, John Straitz, III, National Air/Oil Burner Co., Philadelphia, on "Environmental Control by Means of Combustion," 2:20 p.m., Room 140 Fenske.

Wednesday, Sept. 14
Materials Research Laboratory, Charles Magee, RCA Research Labs, Princeton, on "Applications of Secondary Ion Mass Spectrometry to Materials Research," 10:30 a.m., Room 250 Materials Research Lab. Fuel Science, Brian S. Haynes, Institut Fur Physikalisches Chemie, Der Universitat Gottingen, on "Nitrogen Species in Combustion," 4 p.m., Room 301 Mineral Industries.

Thursday, Sept. 15
Microbiology/Cell Biology, C. Town, Imperial Cancer Research Fund, U.K., on "The Role of Cellular Interactions and Cyclic AMP in Dictyostelium Development," 4 p.m., Room 52 Frear.

Issues Research Office, is featured on *The Benjamin Franklin Symposium*, Wednesday, Sept. 14, at 10:30 p.m. Dr. Dejong, who participated in the symposium held for the Pennsylvania General Assembly earlier this year, assesses the future of Pennsylvania in light of present and projected population trends.

Three special programs on the education of handicapped children are featured on Thursday, Sept. 15, beginning at 9 p.m. with "Including Me." The hour-long documentary, hosted by Patricia Neal, introduces six youngsters who are handicapped and are living up to their potential through the encouragement of teachers, families, and friends.

Immediately following, at 10 p.m., "Education for Handicapped Children" takes a look at new legislation which has gone into effect to guarantee the rights of handicapped children to a full education. Appearing on the Penn State Television program are parent Mary Mohs, Gloria Mills of the ACLD, David Distler representing the Tuscarora Intermediate Unit, and Herman Axelrod, assistant professor of special education at Penn State.

At 10:30 p.m., "A Right to Belong" assesses an experimental program which has been conducted in Pennsylvania schools to provide special educational programs for deaf, blind, retarded, and physically disabled children.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Sept. 15. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

COLLEGE HEALTH NURSE—IN-PATIENT AND EMERGENCY ROOM, RITENOUR HEALTH CENTER—University Park. Responsible to Head, College Health Nurse, in-patient and emergency room, for providing nursing service in the in-patient service area and for the emergency room. Assist licensed physician and dentist in patient care. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience.

NURSE ANESTHETIST—Hershey. Administratively responsible to the Chairman of the Department of Anesthesiology and professionally responsible to a designated anesthesiologist to administer anesthesia, and to provide pre-operative, operative, and post-operative care to patients. Graduate of accredited school of nursing, plus graduation from an accredited school of nurse anesthesia and registered in the State of Pennsylvania. In addition, one to two years of directly related experience is required.

ASSISTANT FOOD SUPERVISOR, HOUSING AND FOOD SERVICE—University Park. Responsible for assisting in the supervision of dining hall operations. Bachelor's degree in food and nutrition, hotel and restaurant management, institutional management, or equivalent.

ACCOUNTANT, HOUSING AND FOOD SERVICE—University Park. Responsible for the control and coordination of accounting procedures in each dining hall, for financial statements of the dining hall unit, vending accounting operations, and departmental income control. Bachelor's degree in accounting or equivalent required, plus one to two years of directly related experience.

Elsewhere

(Continued from page 1)

college has doubled in the last decade, with women now accounting for 47 percent of the college population in that age group. From 1970 to 1976, the number of male students aged 22 to 34 rose 41 percent to 2.6 million, while the number of women in that age bracket rose 103 percent to 1.7 million. In addition, the Census Bureau says, more older students of both sexes are attending college, including 1.2 million people 35 or older.

Washington to cut number of graduate programs

More than 40 graduate programs in the state of Washington are due to be discontinued as the result of a decision made by the State's Council for Postsecondary Education. The Council postponed until 1979 an action recommended by its staff which would have eliminated doctoral programs in history and English at Washington State University. Officials at Washington State had lobbied against the proposal, claiming that the programs are "central to our modern mission."

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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Penn State Intercom

Faculty invited to annual President's Convocation

The President's Convocation for all University faculty will be held at 4 p.m. on Wednesday, Sept. 28, at Eisenhower Auditorium. President Oswald, Faculty Senate Chairman Thomas E. Daubert, and Provost Edward D. Eddy will speak briefly, and their remarks will be broadcast to faculty on the Commonwealth Campuses.

News in Brief

Theatre season opens with Arthur Miller play

A View from the Bridge, Arthur Miller's modern tragedy set in Brooklyn's Waterfront area, is the first of six major productions planned for the 1977-78 University Theatre season.

The play, a study of a colony of Italian-American longshoremen, has been described by critic John Chapman as "an intensely absorbing drama, sure of itself every step of the way." The University Theatre production will be under the direction of M.F.A. candidate Steven Adler.

Performances are scheduled for Oct. 6 through 8 and 11 through 15 at the Pavilion Theatre, with a special student preview on Wednesday, Oct. 5. All University Theatre performances begin at 8 p.m.

The second production of the year will be *Something's Afoot*, a murder mystery musical which opens Oct. 27 at the Playhouse Theatre. It will be followed in January by *The Rummer Stumbles*, the Milan Stitt play that took Broadway by storm; in February by *Thieves' Carnival*, a farce about a gang of barely competent pickpockets; in April by *Jazz Dance Theatre in Concert*, with director-choreographer Jean Sabatine; and in May by a production of *Electra*.

Tickets for University Theatre productions will go on sale on Monday, Sept. 19, at the box office, located in the Playhouse in the Arts II Bldg. The box office will be open Monday through Saturday from 1 to 6 p.m. on non-performance days and from 1 to 9 p.m. on performance days.

Reservations for all University Theatre productions may be made by mail or by telephone (865-1884). All reservations must be paid for at least 48 hours in advance of the performance. Group rates are available for groups of 25 or more.

Library hours reduced

Because of the University's budget crisis, libraries at all campuses will operate on the following schedule until further notice: Pattee and branch libraries will be open from 1 to 10 p.m. Sunday; 7:45 a.m. to 10 p.m. Monday through Thursday, and 7:45 a.m. to 5 p.m. on Friday and Saturday.

At the University Park Campus, the Reserve Reading Room will be open until midnight Sunday through Thursday and until 5 p.m. Friday and Saturday. The East Halls Library will be open daily from 7 p.m. to midnight, and the Pollock Library

(Continued on page 6)

Senate discusses grades, academic dishonesty

Should colleges or departments formally establish academic standards for — and monitor — the grading of students?

That question sparked a University Faculty Senate discussion last week (Thursday, Sept. 8) that resulted in a vote against a proposed wording change to the current Senate grading policy.

At its first meeting of the fall term the Senate also voted on — and approved — a proposal aimed at eliminating loopholes that make it possible for students accused of cheating to avoid punishment in the grading system.

In addition, the senators approved wording changes to the current policy on the structuring of honors programs. The action was taken on the recommendation of a subcommittee charged with studying the University's responsibility to the superior student.

The discussion of grading followed presentation of a report by the Subcommittee on Grading of the Senate Committee on Undergraduate Instruction. In that report, the subcommittee — which had been investigating the problem of grade

inflation — recommended a change of wording in the current Senate policy on student grades.

Policy 47-20 currently states that: "Grades shall be assigned to individual students solely on the basis of the instructor's judgment as to a student's scholastic achievement as set forth in Policy 47-60."

The subcommittee's recommendation, which was subsequently defeated, was that the policy be amended as follows: "The college and department faculties are responsible for establishing and monitoring academic standards for courses offered in their academic units; the application of these standards to the achievement of individual students, and therefore the assignment of grades, is the sole responsibility of the course instructor."

A second proposal made by the subcommittee, dealing with cases of academic dishonesty, was approved. Donald C. Suit, director of the Office of Conduct Standards, and attorney John Gilliland spoke briefly on the procedures followed when a faculty member accuses a

student of cheating. In some cases, they noted, it is possible for a student to escape punishment by dropping the course or withdrawing from the University.

Following their remarks, the senators voted to approve several wording changes to the current Senate policy on University withdrawal and course drop procedures.

In brief remarks at the beginning of the meeting, President Oswald said he would discourage making fundamental changes in the University's promotion and tenure policy at this time, since the policy is only two years old. He added, however, that he expected to see consideration of some non-fundamental changes in the near future.

Provost Edward D. Eddy also spoke briefly, noting that Dean James B. Bartoo, formerly acting interim provost, has agreed to serve as a consultant to him during his period of transition to the University.

In other action, the Senate approved proposed revisions on the structuring of honors programs. The revisions make it possible for some credits to be completed

(Continued on page 6)

Retroactive paychecks to be distributed soon

Retroactive paychecks, where appropriate, for the period July 1 to Sept. 30, will be paid to University faculty and staff employees on Oct. 25, 1977.

The checks will be distributed using the same procedure followed on a normal payday. Employees having their checks deposited to their regular bank accounts will be advised by mail as to this deposit.

Faculty meetings planned

Officers of the University Faculty Senate have scheduled a series of informal meetings which will be open to all interested faculty members, in an effort to improve communications between the Senate and the faculty as a whole.

The first will be held from 3:30 to 5 p.m. on Monday, Sept. 19, in Room 305 of the Hetzel Union Bldg. The second is scheduled for 3:30 to 5 p.m. on Monday, Oct. 3, in Room 101 Kern Bldg. Times and

dates of other meetings will be announced later.

Faculty Senate Chairman Thomas E. Daubert said the meetings were intended to encourage free discussion of faculty concerns. In addition, he said, the Senate officers hoped to get faculty input on legislation that will come before the Senate this year, as well as suggestions for future Senate consideration.

Dr. Daubert said the officers urge all faculty members to attend one of the meetings.



Print of the clipper ship "Nightingale" is from the Esmark Collection of Carrier & Ives, on display at the HUB Gallery through Oct. 23.

Faculty Advisory Committee: an informational report

This article, describing the structure and operation of the Faculty Advisory Committee to the President, was prepared by the committee as an informational report for University faculty and staff.

BACKGROUND

The establishment of a Faculty Advisory Committee to the President (FAC) was recommended by The Joint Senate-Administrative Select Committee on Faculty Participation in University Governance, a report subsequently endorsed by the University Faculty Senate on May 7, 1974.

This new advisory group was envisioned to serve as a consultative body to the President and Provost on a wide variety of general concerns to the University community, such as academic administrative/structural changes, matters affecting University development and the utilization of resources, including all aspects of budgetary matters, and other matters pertaining to the general welfare of the University, and in particular, its faculty.

In 1975, the Senate approved the concept by creating the Faculty Advisory Committee to represent the Senate and the Faculty at large as an advisory and consultative body to the President on the concerns noted previously. Topics for discussion may include any matter initiated either by the President or the committee. The committee makes periodic reports to the Senate.

However, in contrast to other committees of the Senate in which formal, specific reports are discussed and enacted on the Senate floor, the committee as set up in the governance report must report delicate or confidential material in a more general way to maintain both confidentiality and accountability.

MEMBERSHIP

The Faculty Advisory Committee membership of seven includes the Chairman, Chairman-Elect, Immediate Past-Chairman, and Secretary of the Senate, and three elected faculty members chosen for three-year staggered terms. The members are elected by the Senate, and all members of the committee, whether or not an elected member of the Senate, have all the rights and privileges of a member. At least one member of the



Faculty Advisory Committee members William Rabinowitz, Evelyn Hovanec, Lee Saperstein, Thomas Daubert, John Coyle, Robert Friedman and Guy Rindone meet with President Oswald and Provost Edward Eddy.

committee must be from a non-University Park location.

The membership of the committee since its inception has included: Dr. Helen I. Snyder, associate professor of educational psychology, 1975-76; Mrs. Sally S. Small, associate librarian, Berks Campus, 1976-77; Dr. John J. Coyle, professor of business administration, 1975-78; Dr. Guy E. Rindone, professor of ceramic science, 1975-79; Dr. William Rabinowitz, professor of educational psychology, 1975-78; Dr. Margaret B. Matson, professor of sociology and social welfare, 1975-77.

Also Dr. Martha Adams, professor of physical education, 1975-76; Dr. Thomas E. Daubert, professor of chemical engineering, 1976-79; Dr. Lee W. Saperstein, associate professor of mining engineering, 1976-80; Dr. Evelyn Hovanec, associate professor of English, Fayette Campus, 1977-78; and Dr. Robert S. Friedman, professor of political science, 1977-80.

President Oswald and the Provost always meet with the committee, as do other key administrative officers (for example, Dr. Ikenberry, Mr. Norris or Dr. Dunham) when their presence is requested.

PHILOSOPHY OF OPERATION

The Faculty Advisory Committee operates informally with President Oswald and the Senate Chairman serving as co-chairmen. The latter solicits items for discussion and documentation materials from each committee member before each monthly meeting, and an agenda is prepared that contains items raised both by members and the President. In addition, any other

item can be brought up during a meeting. Discussion is frank.

Meetings are held each month and are three to four hours in duration. No minutes are taken. Advice is reached by consensus and no votes are taken. The atmosphere is such that each member of the committee is encouraged to speak his or her mind on any issue. Discussions are always constructive.

Although general topics of discussion and some conclusions are reported through the Senate to the faculty, the specific discussions (for example, dealing with personnel, with optional governmental strategy, or with matters that have not yet emerged publicly) are kept confidential in order to continue to provide an open forum where any or all issues may be discussed with a better Penn State as the only consideration.

TOPICS OF DISCUSSION DURING FIRST TWO YEARS OF OPERATION

Topics range from major issues to minor impasses of which it appears the President must be informed in order to effect a solution to a problem that, if left unattended, could lead to larger problems. Representative issues discussed include:

- Review and discussion of the 1975 revised promotion and tenure policies, as well as aid in modifying the administrative guidelines for promotion and tenure before each year's release

- Review and discussion of the possible policies to govern the review of academic administrators before it was begun

- The budget: requests to the State,

advice on allocation of resources, proceedings in Harrisburg, and other matters

- Student classroom problem resolution policies
- Tuition remission
- The calendar
- Registration and preregistration
- Policy on use of University equipment and services
- Student fees
- Classroom space and timing problems
- Part-time faculty
- Faculty liability to students
- Responsibilities of joint

Senate/Administrative committees

- Statewide educational issues
- The Buckley Amendment
- Non-academic personnel policies
- Transfer policies
- Middle States Accreditation
- Mid-range financial projections
- Basic skills
- Academic dishonesty
- Relating academic priorities to the budget
- Improved collegiality in the University

IN CONCLUSION

We start the third year of operation of the committee with a feeling of cooperation and accomplishment. Good faith and understanding are shared by the administration and the faculty in resolving issues discussed. Final advice to the President is taken and implemented if possible. In no case has this committee's advice been disregarded. The members of the committee would be pleased to entertain your comments.

Penn Staters

Dr. Jean W. MacCluer, associate professor of biology, is serving as a fellow during 1977-78 academic year at the Center for Advanced Study in the Behavioral Sciences at Stanford University. She is participating in a study of evolution and behavior and collaborating on a research project on quantitative inheritance. Dr. MacCluer is a specialist in population genetics.

Dr. Joseph L. Wysocki, Extension family housing specialist and associate professor of housing extension, was one of twelve U.S. housing specialists invited to develop a training manual for HUD-approved housing counseling agencies, August 22 to 26, at the Housing & Urban Development Training Center in Columbia, Md. Dr. Wysocki and his associates wrote a text on renting, home buying and home ownership. He was also one of the three people selected to return to Washington for the final editing of the training manual.

Dr. Forrest J. Remick, associate professor of nuclear engineering and assistant to the vice president for research and graduate study, has recently been reappointed a

technical member of the Atomic Safety and Licensing Board of the U.S. Nuclear Regulatory Commission. In addition, Dr. Remick has been elected to the executive committee of the Reactor Operations Division of the American Nuclear Society and appointed to the Advisory Committee for the Center for Educational Affairs of the Argonne National Laboratory.

Dr. Richard L. Gordon, professor of mineral economics, was recently appointed to the Federal Energy Administration Advisory Group on Anthracite Coal.

John E. Flynn, professor of architectural engineering, has been appointed chairman of international committee TC-3.5 (Light in the Environment), a committee of the International Commission of Illumination. The International Commission is based in Paris. Committee TC-3.5 functions to coordinate international work in the field of environmental lighting, and is asked to work toward the development of international standards and guidelines. Twenty-six countries are represented by official delegates, plus a number of special consultant members. Prof. Flynn chaired the first meeting of the new committee at the Technical University of Berlin in early July.

Albert Jay Miller, librarian at the New Kensington Campus, and Michael J. Aciri, associate professor of philosophy at Gannon College in Erie, have compiled a bibliographical guide to the literature of death, published this summer by Scarecrow Press of Metuchen, N.J.

Beginning with the earliest writings on the subject, the comprehensive annotated guide includes works published through 1974, with some significant studies of later date. In all, there are approximately 3850 numbered entries in the volume, entitled *DEATH: A Bibliographical Guide*, for books, articles, letters, editorials, pamphlets and media information. A symbol code is used to identify audiovisual media, and an AV source list is appended.

Extended author and subject indexes are expected to make the guide especially useful for researchers and reference librarians. It may also be used in the courses related to death and dying now being offered at a number of colleges and universities.

Two members of the mining engineering faculty participated in the 15th International Symposium on the Application of Computers and Operations Research in the Mineral Industries. The symposium took place in Brisbane, Australia. **Dr. R. V. Ramani**, associate

professor, served as chairman of a session on mining, and presented a paper, "Underground Coal Mine Modelling — A Total Systems Simulation Approach." The paper was co-authored by **Charles B. Manula**, associate professor of mining engineering, **Stanley C. Suboleski**, an instructor in mining engineering, and **Dr. Ramani** served as Penn State's representatives in the symposium's council.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

University Park Calendar

Sept. 15 - 25

Special Events

Thursday, Sept. 15

Add deadline.
U.S.G. Health Fair, all day, HUB ballroom and north lounge.

Department of Material Sciences Nelson W. DePue Memorial Lecture. Elburt F. Osborn, Carnegie Institution of Washington, on "Can We Be Self-Sufficient in Mineral Resources?" 3:45 p.m., Room 112 Kern.

Signa Xi Lecture. F. Sherwood Rowland, University of California, Irvine, on "Man's Threat to Stratospheric Ozone," 8 p.m., Room 112 Kern.

Friday, Sept. 16

Sports: soccer, vs. Trenton State, 7 p.m.
Astronomy OpenHouse, 8 p.m., roof of Davey Lab. Cloud date, Sept. 17.

Saturday, Sept. 17

P.S.O.C. Hiking Division, backpack on Quahanna Trail, through Sunday.
Sports: football, vs. Houston, 1:30 p.m.
Shaver's Creek Nature Center, bird banding and other things, with campfire, 8 p.m., Stone Valley.

Sunday, Sept. 18

University Chapel service. Donald Barrett, Gulf Oil Corporation, Pittsburgh, 11 a.m., Eisenhower Chapel.

Free U registration, 1-6 p.m., HUB ballroom.
Shaver's Creek Nature Center, fall wildflowers and weeds walk, 2 p.m., Stone Valley.

Monday, Sept. 19

Last date for Nov. graduates to activate diploma cards in Registrar's Office and to pay these fees at Bursar's Office.

Deadline for IAHS sponsored faculty research grants for winter and spring terms. Ithaca Cottage.

Shakespeare film, *Henry V* (Oliver), 6:30 p.m., Room 101 Chambers. Free admission.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern. Marc Levey on "Creative Photography."

Tuesday, Sept. 20

Camp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club. Hugh Chapman on "Molere."

University Senate Council meeting, 2:10 p.m., Room 101 Kern.

Sports: women's tennis, vs. Lock Haven, 2:20 p.m.; field hockey, vs. Millersville, 2:30 p.m.
Shakespeare film, *Henry V* (Oliver), 6:30 p.m., Room 101 Chambers. Free admission.

Free U classes begin.
france-cinema, Bourguignon, *Sundays and Cybele* (1962), the friendship between a girl and a war veteran, 7 and 9 p.m., Room 112 Kern.



"Apples, Pear and Landscape" by Emil Mellow is from the M.F.A. exhibition at Zoller Gallery through Sept. 21.

English colloquium, Joanne Trautmann, Hershey, on "Virginia Woolf and Company: Selections from Her Letters," 8 p.m., Room 101 Kern.

Artists Series, *Bubbling Brown Sugar*, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Sept. 21

5 O'Clock Theatre, Dexter, 5:30 p.m., The Playhouse.

Sports: soccer, vs. Scranton, 7 p.m.
G.S.A. Commonsplace Theatre, *Cauchianca*, 7:30 and 9:30 p.m., Room 112 Kern.
Colloquy, David Frost, 8 p.m., Rec. Bldg.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Sept. 22

Pass/fail deadline.
Board of Trustees meeting, Room 402 Keller.

Friends of the Museum of Art Gallery Talk. Dianne Pilgrim, curator of decorative arts, Brooklyn Museum, on "The Victorian Collections and Period Rooms of the Brooklyn Museum," 10:30 a.m., Museum of Art.

5 O'Clock Theatre, Dexter, 5:30 p.m., The Playhouse.

Penn State Dates meeting, 7:30 p.m., Room 101 Kern.

Spanish, Italian and Portuguese Department, Servando Carballar and Company, traditional Hispanic folk-songs and ballads 8 p.m., Room 112 Kern. Free admission

Friday, Sept. 23

Pass/fail deadline.

Board of Trustees meeting, Room 402 Keller.
5 O'Clock Theatre, Dexter, 5:30 p.m., The Playhouse.

Saturday, Sept. 24

College of Agriculture Hort Show, 10 a.m.-9 p.m., Ice Pavilion.

Sports: football, vs. Maryland, 1:50 p.m.

Sunday, Sept. 25

College of Agriculture Hort Show, 9 a.m.-4 p.m., Ice Pavilion.

P.S.O.C. Hiking Division, joint trail clear with Bucknell Outing Club on R.B. winter extension in Bald Eagle State Forest, free picnic supper, 9 a.m., HUB parking lot.

University Chapel service. Gordon C. Godbey, PSU, 11 a.m., Eisenhower Chapel.

Sports: women's cross-country, Lady Lion Invitational.

Shaver's Creek Nature Center, animal homes and signs walk, 2 p.m., Stone Valley.

Faculty Exhibition reception, 3-5 p.m., Zoller Gallery.

Exhibits

Anthropology Museum: Tuesday and Thursday, 9 a.m.-noon, and Wednesday, 1-5 p.m. Central American and Mexican Pre-Columbian exhibit; ethnographic artifacts from Ethiopia

Earth and Mineral Sciences Museum: Tuesday - Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m.

Forest Entomology Museum: weekdays, 9 a.m.-noon and 1-4:30 p.m. Gypsy moth exhibit.

HUB Gallery: Smithsonian Institution exhibit, "The Seal of American Invention," the development of American chainmaking; Bruce Schwabach, paintings.

Kern Commons Gallery: prints by faculty and graduate students; Walter Benson, photographs, "The Quiet Moment," Nancy Norton, stained glass. Opens Sept. 17.

Museum of Art: Arne Jacobsen: Danish architect and designer; William Cullen Bryant collection; contemporary stage design.

Museum of Art HUB Gallery: Esmark collection; Currier and Ives.

Pattee Galleries: Bob Andriulli, *East Corridor* Gallery; Steve Marvill, color photography, Lending Services Lobby.

Sackett Gallery: Systems, drawings and three dimensional models, through Sept. 20.

Zoller Gallery: M.F.A. exhibition, through Sept. 21; faculty exhibition, opens Sept. 24.

Seminars

Thursday, Sept. 15

Bioengineering, Terry E. Spraker on "Correlation Studies of the Retino-Geniculate Pathway in Rabbit," 4 p.m., Room 325 EE East.
Meteorology, Nels Otto Jensen, Risk National Laboratory, Roskilde, Denmark, on "On the Structure of Penetrative Convective Elements," 4 p.m., Room 112 Walker.
Statistics, Douglas Jones, Rutgers University, on "Numerical Approximation of the M-Estimator," 4 p.m., Room 273 Willard.

Monday, Sept. 19

Biochemistry/Physiophysics, Russell Hilf, University of Rochester, on "Hormonal Responses of Experimental Mammary Adenocarcinomas," 3:35 p.m., Room 101 Althouse.

Tuesday, Sept. 20

Biochemistry/Physiophysics, Russell Hilf, University of Rochester, on "Application of Biochemistry to Prediction of Response of Breast Cancer," 11:10 a.m., Room 101 Althouse.

Air Pollution Control/Chemical Engineering, Arden B. Walters, Southern California Gas Co., Pico Rivera, Calif., on "The Political Challenge to Technology in Air Pollution Control," 2:20 p.m., Room 140 Fenske.

Materials Research Laboratory/Mineral Processing, E. Raask, Central Electricity Research Labs, Leatherhead, England, on "New Research on the Use of Fly Ash in Concrete," 3:30 p.m., Room 250 Materials Research Lab.

Inorganic Chemistry, Gregory L. Geoffroy on "Synthesis, Characterization, and Properties of Mixed-Metal Organometallic Clusters," 8 p.m., Room 333 Whitmore.

Thursday, Sept. 22

Chemistry, J.P. Young, Oak Ridge National Laboratory, on "Resonance Ionization Spectroscopy and the Detection of Single Atoms," 12:45 p.m., Room 333 Whitmore.

Microbiology/Cell Biology, Judy D. Wall, Indiana University, on "The Genetics of N₂ Fixation in the Photosynthetic Bacterium *Rhodospirillum rubrum*," 4 p.m., Room 325 Fenske.

Physics, Hans Bethge, Nobel Laureate professor emeritus Cornell University, on "Nuclear Matter," 11 a.m., Room 445 Davey and "The Energy Problem," 3:50 p.m., Room 119 Davey.

Meteorology, James K. Angel, NOAA, Silver Springs, Md., on "Recent Trends in Total Ozone Amounts," 4 p.m., Room 112 Walker.

WPSX Highlights

Akiro Kurosawa's film classic, *Rashomon*, is featured on **Foreign Film: Theme, Form, and Style** Saturday, Sept. 17, at 3 p.m., and again Sunday, Sept. 18, at 6 p.m. The winner of an Academy Award in 1952 for Best Foreign Film, *Rashomon* tells a woodcutter's story of violence and tragedy through a series of flashbacks.

Herbert von Karajan conducts the Berlin Philharmonic and the chorus of the Berlin Opera in Beethoven's *Symphony no. 9* Sunday, Sept. 18, at 2 p.m. on **Great Performances**. The program also includes Beethoven's popular concert piece *Egmont Overture*.

Something Personal captures the highly original philosophy and lifestyle of the late Imogen Cunningham on Sunday, Sept. 18, at 7:30 p.m. Cunningham, who earned an international reputation as an innovative portrait photographer, reminisces about her remarkable life in this film, entitled *Never Give Up*.

Economist John Kenneth Galbraith returns to public television Monday, Sept. 19, at 9 p.m. with *The Age of Uncertainty*

—his personal analysis of the last 200 years of economic and political turmoil. The 13-week series, which is part of a University of the Air 3-credit course, begins with the development of classical capitalism in England and France. To register for the course, contact Independent Study by Correspondence. (865-5403)

"People go to distant places to see beauty and pass it by in their own backyard," says Nebraska artist Reinhold Marxhausen. His theory and techniques for stimulating people to see the beauty and art in their local surroundings are revealed in the award-winning documentary *Findings: A Film About Reinhold Marxhausen*, Thursday, Sept. 22, at 9 p.m.

Society announces project

Members of the Penn State Aristotelian Society will discuss the problems of language and philosophy. Faculty and staff members interested in joining the society should contact Dr. Henry W. Johnstone, professor of philosophy, at 865-1684 for details on the times and dates of meetings.

Funding Sources

For further information,
call 865-1372

(286-1) The National Endowment for the Humanities (NEH) has published an Education Programs booklet describing the program of the Division of Education. Institutional grants include consultant, pilot, development, and college library grants. Higher education projects include humanities institutes, curricular materials, and general project grants. Elementary and secondary education program includes teacher grants and the cultural institutions program assists libraries and museums. Initial inquiries and preliminary drafts usually precede formal application. Deadlines range over the entire year. (Ref. ibid.)

(286-2) NSF's 1978 Engineering Research Institute Grants program has been assigned a Nov. 15 deadline. The National Science Foundation advises that this program is directed toward full time engineering faculty (professors, teaching metallurgy and materials sciences are included) who have had no substantial research support. A quarter of the academic year and two months of two summer terms must be set aside. Two options are offered. The first (A) requires all time to be spent on campus. The second (B) requires that summer work be non-academic. (Ref. NSF PR77-741)

(286-3) The National Science Foundation supports a program called **Handicapped in Science**. Eleven 1977 awards totalling \$481,155 were made to increase participation in science by physically handicapped people who have aptitude and interest in this field. (Ref. NSF PR77-7642F2388, 11/177). The next application deadline is Nov. 7 for support of conferences, workshops, studies, and science training models. (Ref. 42FRA4025, 9/177).

(286-4) The Office of Education has announced a Nov. 4 closing date for its Fulbright-Hays Training Grants: Faculty Research Award, Doctoral Dissertation Research Award, Group Projects Award, and Foreign Curriculum Consultants. (Ref. 42FRA4026, 9/177).

(284-4) Institute of International Training — student study abroad (Fulbright) grants — Sept. 30

(284-5) British Consulate General — Marshall Scholarships to UK — Oct. 22

(283-2) Institute for Study of World Politics — pre and postdoc

(283-3) DOT — research fellowships at government agency

(283-4) Nat. Institute of Environmental Health Sciences — post doc — Oct. 1 Feb. 1 June 1

(283-6) NEA — variety — Oct./Dec./Apr./May

(283-7) Institute for Cancer Research — post doc traineeships

(283-8) Smithsonian — post doc pre doc — at Institution

FELLOWSHIPS (77-14)

For further information inquire at 317 Kern, 865-2224

(280-2) NIH — post doctoral — Oct. 1, Feb. 1, June 1

(280-3) NEA — art critics, craftsmen, photographers

(280-4) NIH — senior international fellowships — Dec. 15

(280-5) Justice — research fellowships — Oct. 1.

1977-78 Revised Guidelines for the Conduct of the University Promotion and Tenure Review Process

President Oswald has issued for immediate implementation the 1977-78 Revised Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process, the text of which appears below. These guidelines modify those used in 1976-77 and are the direct result of suggestions made by faculty and administrators after study and review of last year's procedure. The policy itself (PS-23) has not been altered. For easy reference, the revisions are printed in bold face type.

Foreword

PS-23 was endorsed by the University Faculty Senate on May 6, 1975, and was subsequently approved for implementation by President Oswald effective July 1, 1975. Administrative guidelines for implementing PS-23 during 1975-76 accompanied the policy. In 1976-77, the Administrative Guidelines were revised to make the review process more effective and efficient; however, no changes were made in the basic policies of PS-23.

Since decisions on promotion and tenure are of utmost importance to each faculty member, as well as to the University, it is essential that the evaluation of each nominee be made with complete fairness and objectivity. The process and guidelines for PS-23 are designed to maximize these conditions by (1) emphasizing the need for appropriate factual information; (2) requiring that department, college, and campus units establish relevant criteria within the broad University goals; (3) making use of reasonable evaluative methods; and (4) by providing a mechanism for multiple reviews within the system. Following a second year of experience in implementing PS-23, and after receiving recommendations from various faculty members and administrators, the 1976-77 Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process have been modified to a very minor degree for implementation during the 1977-78 review cycle. As in earlier revisions, the 1977-78 guidelines have been developed to assure fairness, to regularize the dossiers, increase objectivity, and to reduce the introduction of possible irrelevancies into the process.

Faculty members who are promoted or who receive tenure are viewed by their colleagues as having demonstrated academic excellence. The policy is purposely oriented to emphasize academic quality, in the broadest sense, as the central issue of concern with respect to promotion and tenure decisions. Neither the policy nor the guidelines are intended to in any way impede the full realization of academic excellence as represented by faculty members within a discipline, department, campus, or college. Indeed, academic and administrative units are urged to develop, specify, and consistently apply those criteria that are particularly appropriate to their area as long as such are consistent with University-wide criteria and policy.

1977-78 Revised Administrative Guidelines

I. EFFECTIVE DATE

The revised University promotion and tenure policy (PS-23) became effective on July 1, 1975.

II. APPLICABILITY

A. Faculty members appointed to a tenure-eligible position prior to July 1, 1975.

1. Procedures. The review procedures prescribed in the revised promotion and tenure policy apply in their entirety to all faculty members appointed to a tenure-eligible position prior to July 1, 1975; however, these revised procedures do not alter the basic conditions and rights under which faculty members employed prior to that date were appointed.

2. Substantive Policy Rights.

- a. Changes introduced in the revised promotion and tenure policy are primarily procedural rather than substantive. In the few instances in which the substantive rights contained in the revised policy exceed the rights granted under the previous policy, the new rights are immediately extended to all faculty members appointed to a tenure-eligible position prior to July 1, 1975. These expanded rights are (1) the provision for longer periods for notification of nonreappointment in the first and second years of appointment, and (2) a more flexible accounting for years of service toward tenure.

- b. One provision in the new policy could potentially diminish the rights granted under previous policy. The new policy includes the provision of an additional year of provisional status if, through inadvertence, a faculty member is not notified of

the award or denial of tenure by or before the end of the sixth year of appointment.

This provision shall not apply retroactively to faculty members appointed to a tenure-eligible rank prior to July 1, 1975.

- B. Faculty members serving in a non-tenure-eligible position prior to July 1, 1975.

All aspects of the new promotion and tenure policy, procedural and substantive, apply in their entirety to faculty members who were serving in non-tenure-eligible positions prior to July 1, 1975, and who may be promoted or reappointed to a tenure-eligible position on or after July 1, 1975.

- C. Faculty members appointed to The Pennsylvania State University on or after July 1, 1975.

All aspects of the new promotion and tenure policy apply in their entirety to faculty appointments effective on or after July 1, 1975.

III. CRITERIA

The policy indicates that all candidates for promotion and tenure are to be evaluated in terms of their (1) teaching ability and effectiveness, (2) research competence, (3) scholarship and mastery of subject matter, and (4) service to the University and the public. Within each of these broad categories, specific criteria applicable to the academic unit and reflective of the professional responsibilities of the faculty member are to be defined. The policy requires that the responsibilities of faculty members within units be identified in order that "all parties to the process share common expectations and understandings." This provides for a more well-defined alignment of reward with function within each of the four major categories.

Concerning these specific criteria (as well as those additional expectations that are relevant to a particular unit(s)) college deans, the Dean of the University Libraries, the Dean of Academic Instruction for Commonwealth Campuses, the Deans of Behrend College and Capitol Campus, and the Director of Intercollege Research Programs and Facilities, with appropriate faculty participation, shall:

- A. Develop a written statement of criteria and expectations that is responsive to the academic demands of the particular discipline or unit. These criteria and expectations are to relate to the aforementioned University-wide categories. In addition, any special emphasis in criteria and expectations or areas of divergence from those usually applicable to the discipline for a given faculty member shall be identified. Special attention shall be given by the administrative officers to assure compatibility between a faculty member's responsibilities and the criteria and expectations applied to promotion and tenure decisions. The Dean of Academic Instruction for the Commonwealth Campuses and the college deans shall jointly develop expectations and standards for faculty members on Commonwealth Campuses.
- B. Specify the evaluative methods used to assess the extent to which a faculty member has met the pre-stated criteria and expectations.
- C. Assure that faculty members are regularly apprised of the criteria and expectations that relate to their respective responsibilities, and that they are advised by the appropriate academic or administrative officer of the general results of the evaluation of their performance in accordance with the policy.
- D. Provide a copy of criteria, expectations, and evaluative methods to the Provost of the University and include a copy in the dossier of each candidate for promotion or tenure.

Regarding the evaluation of teaching effectiveness, the University Faculty Senate (May 3, 1977) took legislative action on the following points and requested that they be included in the 1977-78 Administrative Guidelines for implementing PS-23:

- A. Recommendations regarding personnel actions must incorporate various kinds of information on teaching effectiveness. Specifically, the evaluation of teaching effectiveness should in all cases include faculty input.
- B. All evaluations of teaching effectiveness should include student input. Academic units may, if they choose, utilize student in-class survey instruments in partial fulfillment of the student input requirement of PS-23, but if used, these survey instruments shall be supplemented by additional evidence on student evaluation of teaching effectiveness.

IV. REVIEW PROCEDURES

A. Establishment of Review Committees.

1. Campus, Department, College, University Libraries, and Intercollege Research Programs Review Committees.

- a. No later than October 1 of each year, campuses, departments, colleges, the University Libraries, and the Intercollege Research Programs shall establish promotion and tenure review committees and procedures subject to the guidelines for such reviews as set forth in the policy and as indicated below. Exceptions to the following guidelines may be approved by the Provost of the University; requests for exceptions shall be accompanied by documentation of support for the request by committee members, directors, or department heads of the unit concerned and who are directly affected by the exception, and these shall have the concurrence of the appropriate dean.

- (1) Members of the review committee shall be selected according to procedures approved by the faculty of the respective academic unit and by the appropriate administrative officer.

- (2) Only tenured faculty shall make recommendations about candidates for tenure.

- (3) Only faculty of higher rank than the candidate shall make recommendations about promotion.

- (4) Review committees shall have no fewer than three members.

- (5) For the review of Commonwealth Campus faculty only, the policy requires that a majority of the members of the committees at the department and college levels consist of faculty from the Commonwealth Campuses. Every attempt should be made, however, to include a mix of faculty members at the campuses and at University Park when possible, administratively feasible, and consistent with the policy.

- b. In addition to the required guidelines listed above, which are established by the policy, faculty members at the campuses, in the departments, colleges, the University Libraries, and the Intercollege Research Programs are urged to adopt the following additional optional guidelines:

- (1) Review committees should be limited to a maximum of seven members.

- (2) Committees should be selected proportionately as follows:

- (a) At least two-thirds of the membership elected by the faculty;

- (b) At least one-quarter of the membership appointed by the respective academic unit's administrative officer;

- (3) A majority of the faculty representatives should be full professors, and in the case of reviews for promotion from associate to full professor, the committee should be comprised solely of these full professors;

- (4) A committee chairman may be appointed by the appropriate academic administrator.

- c. No later than by October 1, all campus, college and University Libraries deans, and the Director of Intercollege Research Programs and Facilities shall submit to the Provost of the University a report describing the process adopted for establishing the review committees.

2. The University Promotion and Tenure Review Committee.

- a. In December of 1975, the University Faculty Senate elected six members of the University Promotion and Tenure Review Committee. This preliminary election provided for three one-year appointments (serving until June 30, 1976) and three two-year appointments (serving until June 30, 1977). By June 30 of succeeding years, the University Faculty Senate shall elect three members of the University Review Committee for two-year appointments.

- b. One representative from among the recipients of the Lindback Award for Distinguished Teaching and one representative

of the University's Evan Pugh Professors are selected annually by lot by the Provost of the University from among their respective groups and appointed to the University Review Committee.

- c. The President of the University shall appoint three senior academic administrators to the University Review Committee annually.
- d. For 1977-78, all members of the University Promotion and Tenure Review Committee shall have full voting authority in the evaluation of all candidates under review for promotion or tenure. In subsequent years, when a vote is taken on promotion to any rank, a majority of the University Committee members of the equivalent rank or higher must vote "Yes" in order for the promotion to be recommended. Similarly, only members of the University Committee who are tenured may vote on candidates for tenure.
- e. The Provost of the University, with the Office of Personnel Administration, shall be responsible for developing and maintaining procedures and recommendations forms for use by the University Promotion and Tenure Review Committee. These forms and procedures shall be distributed for information to the various academic units, commensurate with the initiation of each year's promotion and tenure reviews. Such forms to be used in preparing the dossiers can be obtained from Systems and Procedures, 225 Shields Building, or by calling 865-9568.

B. Review Schedule.

1. By September 15 of each year, the Provost of the University shall advise the college deans, the Director of Intercollege Research Programs, the Dean of University Libraries, the Deans of Capitol Campus and Behrend College, and the Dean of Academic Instruction for Commonwealth Campuses of any changes to be incorporated into the guidelines for conducting promotion and tenure reviews, and advise them to proceed with promotion and tenure reviews in the respective academic units.
2. By October 15 of each year, The Office of Personnel Administration shall provide the college deans, the Dean of University Libraries, the Deans of Capitol Campus and Behrend College, and the Dean of Academic Instruction for Commonwealth Campuses with a report of all academic staff accumulating credit toward tenure within their respective units, indicating the number of years of credit earned toward tenure as of the next July 1, and identifying those subject to final tenure review.
3. Promotion and tenure reviews should begin immediately following notification by the Provost of the University.
4. Promotion and tenure recommendations from the Commonwealth Campuses shall be forwarded to the college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses as specified in the policy before December 1. The college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses shall be jointly responsible to coordinate the reviews at the campus, department, and college levels to allow for adequate periods of review at each level.
5. Reviews for promotion and for the granting of tenure at the department level shall be completed by or before February 1.
6. Following the reviews at the college or University Libraries level, the positive recommendations made by the dean for promotion and for the granting of tenure shall be forwarded by the appropriate deans to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than March 15. This shall include those recommendations for promotion and for the granting of tenure for faculty members holding joint appointments in a college and in an Intercollege Research Program. The appropriate administrative officer shall inform those faculty members who did not receive a positive recommendation.
7. The Director of the Intercollege Research Programs and Facilities is responsible for coordinating promotion reviews for personnel in the intercollege research programs.

The Director shall forward positive recommendations for promotion for faculty not holding joint appointments in a college to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than March 15. The appropriate administrative officer shall inform those personnel who did not receive a positive recommendation.

8. For faculty members holding joint appointments in two or more colleges, the positive recommendations shall be forwarded by the college responsible for the largest share of the salary.
9. At the same time that recommendations are forwarded to the Provost of the University, a summary of the general processes followed in the reviews shall also be forwarded, as specified in the policy along with a **summary of the decisions/recommendations made at each review level (campus, department, and college) for promotion and tenure.** Appropriate explanation and documentation regarding significant instances of differences in judgment shall also be submitted. (The colleges shall utilize comparable procedures, as appropriate, for evaluating nominees for promotion from instructor to assistant professor. The decisions of the college shall be reported to the Provost of the University.)
10. By May 1 of each year, deans shall also complete the reviews of all other faculty members who are either not subject to a final tenure decision that year or not recommended for promotion that year, and will insure that faculty members are appropriately informed of the results of the evaluation.
11. The University Promotion and Tenure Review Committee shall complete its deliberations and forward its recommendations for promotion and tenure through the Provost of the University to the President of the University no later than May 15 of each year. The President shall notify, in writing, all recipients of promotion and tenure awards. Copies will be provided to the appropriate deans, the Director of Intercollege Research Programs, campus directors, and the Office of Personnel Administration.

C. Nomination Process and Development of the Dossier.

1. Faculty members will be reviewed for promotion only after having first been nominated in one of the following ways:
 - a. Normally by an appropriate academic administrator;
 - b. A person may be nominated by the initial peer review committee after the committee has consulted with the appropriate administrative officer.With respect to nominations from the Commonwealth Campuses, directors and deans should confer with each other regarding proposed nomination.
2. In the case of University Park candidates for promotion and/or tenure, department heads shall have responsibility for the development of the dossier. For faculty members on a Commonwealth Campus, development of a candidate's dossier is the responsibility of the Associate Director for Academic Affairs or the Assistant Director for Resident Instruction.
3. A standard format for organizing the material in the dossiers shall be used by all academic units. Supplemental support materials (books, reprints, syllabi, etc.) shall be retained by the initial administrator and/or review committee and not forwarded with the dossier unless requested by those responsible for the next level of review. Deans and campus directors will receive copies of the format which shall be required for 1977-78. It is the responsibility of the deans and directors to inform faculty members and administrators in their respective areas of the content required in and format of the dossiers. Each faculty member shall assist in supplying relevant information for the dossier. The department head, ADAA/ADRI, or other appropriate administrative officer is responsible for preparing an accurate, complete, and properly organized dossier for each candidate within his/her administrative area.

Dossiers should not usually contain the following items unless they are obviously appropriate and useful in making profes-

sional recommendations:

- a. Evaluative statements written by the candidate.
 - b. Statements about a candidate's personal life unless they are germane to the quality of the candidate's work.
 - c. A vita which restates information presented elsewhere in the dossier.
 - d. Samples of the candidate's publications.
 - e. Letters of appreciation or thanks.
 - f. Course outlines.
4. All committees and administrators who have previously reviewed a candidate's dossier shall be informed if any factual changes are subsequently made in the original materials. Committees and administrators shall not receive the written statements of evaluation and recommendations made at subsequent review levels. Throughout the process, however, the privacy rights of individual candidates shall be respected.
 5. All external letters of reference shall be obtained by the relevant dean and included in the candidate's dossier. The dean may delegate such responsibility to the cognizant department head. External letters are expected for all candidates for professor and/or tenure but are optional for candidates at the associate professor level. They are to give evidence that the person has achieved a reputation among professional colleagues elsewhere.
- #### D. Evaluative Role of Committees.
1. All individuals and committees responsible for evaluating a given candidate shall have the same factual record available.
 2. Department heads, campus directors, and deans should collaborate with their respective committees to assure that all individuals on the committees are well informed about each candidate. Although it is not required, such administrators may serve as resource persons to those review committees representing the units for which they have responsibility; however, the administrators and the committees shall render independent judgments of the candidates under review.
 3. Each review committee and each administrative officer shall summarize in writing their independent evaluation of a given candidate on each of the four general criteria. These evaluative statements, along with the recommendations, shall be inserted in the candidate's dossier. Each of the summaries shall be signed.
 4. For candidates being considered for tenure, a summary of the first, third, and fifth year reviews shall be included in the dossier by the campus, department, and college administrators.
 5. Each succeeding level (locus) has the responsibility to review the preceding committee and administrator statements concerning each of the candidate's qualifications and the documentation. However, particular emphasis should be given at each of the review levels as follows:
 - a. Campus (Programmatic).
 - (1) For Commonwealth Campus faculty members: evaluation of teaching ability and effectiveness.
 - (2) For Commonwealth Campus faculty members: evaluation of service to the University and to the public.
 - b. Department (Programmatic).
 - (1) For University Park faculty members: evaluation of teaching ability and effectiveness.
 - (2) For University Park and Commonwealth Campus faculty members: research competence.
 - (3) For University Park and Commonwealth Campus faculty members: scholarship and mastery of subject matter.
 - (4) For University Park and Commonwealth Campus faculty members: service to the University and to the public.
 - c. College: the college committee(s) review(s) department and/or campus recommendations for promotion and tenure in light of:
 - (1) College criteria;
 - (2) Documentation of accomplishments;
 - (3) Equity among departments; and
 - (4) Procedural fairness.
 - d. University: the University committee reviews all previous recommendations for promotion and tenure in light of:
 - (1) University criteria related to teaching ability and effectiveness, research

- competence, scholarship and mastery of subject matter, and service to the University and to the public;
- (2) Documentation of accomplishments;
 - (3) Equity within and among colleges; and
 - (4) Procedural fairness.

6. Faculty members at either Behrend College, Capitol Campus, or at the College of Medicine will be reviewed using procedures similar to those for faculty at University Park.

7. Although a candidate's age and time-in-grade are not criteria for promotion, it is incumbent on the relevant administrator(s) to provide persuasive documentation to justify the promotion of a faculty member in instances that diverge in any significant way from the normal promotion pattern for a department, campus, or college.



David Frost to speak

David Frost, the British talk-show host and television interviewer who is perhaps known best for his recent series of interviews with former President Nixon, will speak at the University this month. Sponsored by COLLOQUY, his appearance is scheduled for 8 p.m. Wednesday, Sept. 21, at Recreation Bldg. There will be no admission charge.

CIA-sponsored research here was not classified

The University announced last week that information from the Central Intelligence Agency shows that CIA-sponsored research performed here in the 1950s and 1960s was not classified but was basic research which was subsequently published in scientific journals.

According to Dr. Richard G. Cunningham, vice president for research and graduate studies, four sub-projects were funded through a cover agency, such as the Geschickter Fund for Medical Research. He said the University was not aware of the CIA backing.

"The documents show that no human experimentation was involved," he said. "The principal investigators were microbiologists and physicists, and the work took place in the College of Agriculture and the College of Chemistry and Physics, which is now the College of Science."

Dr. Cunningham said the research projects involved investigations of soil ecology, physical measurements on biologically active materials, occurrence of arboviruses in birds and consulting services in microbiology.

He said documents received from the CIA indicate that the studies during 1959-65 were of a basic research nature which apparently had the ultimate objective of national defense use in detecting and identifying chemical warfare and biological warfare-related materials.

Art classes offered for children, parents

Registration will continue through tomorrow (Friday, Sept. 16) for a series of art classes designed for young people and their parents. The classes will begin on Saturday, Sept. 17, and continue each Saturday through the fall term.

In all, 14 different courses are offered in the program, which is under the direction of Dr. Robert W. Ott, associate professor of art education, and Lola Kearns, a doctoral candidate in art education. Subjects range from photography and printmaking to weaving and pottery.

The classes are designed for children age five or older, and several are studios and workshops especially aimed at teenagers. In addition, an adult workshop in art is being offered to parents of students.

Registration may be made from 1 to 5 p.m. tomorrow with Holly Ping (865-5601) or at 270 Chambers Bldg., where more information about the courses is available.

New Kensington adds three associate degrees

The New Kensington Campus will add three new associate degree programs beginning in the fall term. They are Biomedical Equipment Technology, an Accounting Option in Business Administration, and a Business Option in Letters, Arts and Science.

Students exhibit work

The "Master of Fine Arts Graduate Exhibition," which features works by 26 students in the Department of Art, will continue through Wednesday, Sept. 21, at the Zoller Gallery.

Works from students in five major areas of emphasis — painting, printmaking, photography, ceramics and sculpture — are included in the show, one of the largest in the gallery's current season.

Zoller Gallery hours are 8 a.m. to 5 p.m. Monday through Friday and noon to 5 p.m. Saturday and Sunday. There is no admission charge.

Costume, set designs assembled for display

The first comprehensive American exhibition of scene and costume design ever assembled is on display at the Museum of Art through Oct. 2.

The show, Contemporary Stage Design, U.S.A., was organized by the International Theatre Institute of the United States, Inc., and is circulated by the Smithsonian Institution Traveling Exhibition Service (SITES). It includes set and costume designs for operas, ballets, musicals and dramas from Broadway, Off Broadway, regional, experimental and university theatres.

Among the set designs are those by Tony Walton for *Pippin* at the Imperial Theatre in New York, Ming Cho Lee for *Boris Godunov* at the Metropolitan Opera, John Conklin for *The Hostage* at Arena Stage in Washington, and Lester Polakov for *The Life and Times of Joseph Stalin* at the Brooklyn Academy of Music.

Costume designs include those by Florence Klotz for *A Little Night Music* at the Shubert Theatre in New York, Thomas F. Rasmussen for *The Waltz of the Toreadors* at the University of Southern California in Los Angeles, and John Doepf for *Treemonisha* at Wolf Trap Farm for the Performing Arts in Vienna, Va.

The museum is open from noon to 5 p.m. Tuesday through Sunday, with free tours conducted at 2:30 p.m. on Sundays. There is no admission charge.

Hispanic music planned

The Department of Spanish, Italian and Portuguese will present Servando Carballal and Company in a program of traditional Hispanic folksongs and ballads at 8 p.m. on Thursday, Sept. 22, in Kern Auditorium. Sr. Carballal has performed widely in Europe and is currently touring American Universities. The program is free of charge and is open to the public.

Senate

(Continued from page 1)

through approved extra course work in the student's major field. The action was taken at the recommendation of the Subcommittee on Honors Programs of the Committee on Undergraduate Instruction.

Senate also approved the creation of a University Task Force on Programs for Academically Superior Students.

The procedure for filling vacancies on the Standing Joint Committee on Tenure was amended and the appointment of John H. Partridge, associate professor of engineering at the York Campus, to that committee was approved.

The Senate also heard an informational report on the indirect costs of research from the Committee on Research.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Sept. 22. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

PROGRAM ASSISTANT, CONTINUING EDUCATION — University Park This person provides assistance to the area director in planning, implementing and conducting an evening college program. Responsible for supervising office procedures, exercising fiscal controls and maintaining related records.

Bachelor's degree, or equivalent, plus one to two years of related experience in performing administrative and supervisory tasks preferably related to the conduct of Continuing Education programs.

ASSISTANT TO THE DIRECTOR OF STUDENT ACTIVITIES, STUDENT AFFAIRS — University Park Responsible to the Director of Student Activities for providing administrative supervision and support services in the areas of student organization programming and the coordination of the Volunteer Service Center. Bachelor's degree, or equivalent, plus one to two years of related experience; or Master's degree, preferably in student affairs, social work or student personnel administration, plus one year of related experience.

ADMINISTRATIVE AIDE, (STUDENT AID) STUDENT AFFAIRS — University Park Responsible to the Director of Student Aid for providing administrative assistance with Student Aid programs, including identification of student financial problems and making appropriate referral to proper personnel within the division. A Baccalaureate degree or equivalent plus over one up to and including two years of directly related office experience is required.

From the Press

"New Women" in the Late Victorian Novel, by Lloyd Fernando. 168 pages. \$13.75.

Dr. Fernando examines the developments in the women's movement during the last 30 years of the 19th century in England, as reflected in the literature of the time. Through critical analysis of the works of George Eliot, George Meredith, George Moore, George Gissing and Thomas Hardy, he attempts to determine how ideas generated by the movement affected the work of the major contemporary novelists. And he argues that those ideas have a more profound effect than is usually thought to be the case on the literary achievement of the time. Dr. Fernando is head of the department of English at the University of Malaya in Malaysia.

Still a good investment

The Conference Board, a nonprofit, Manhattan-based outfit that does research in economics and management, reports that college is still a good investment, not only in terms of pure dollars-and-cents but also of rewards that might not be apparent at first. The report acknowledges that between 1969 and 1974 the differential between male college and high school graduates' earnings declined. But it also predicts that between 1974 and 1985 some 2.1 million jobs will open up to college graduates because of higher educational requirements for such positions as physicians' assistants and legal paraprofessionals.

News in brief

(Continued from page 1)

will be open from 9 a.m. to midnight Monday through Friday and from 1 p.m. to midnight Saturday and Sunday.

Library spokesmen say they hope to extend the hours of operation if the budget situation improves later in the year.

Schedule is announced for series of coffees

The Newcomers Club of the Faculty Women's Club has announced the schedule for its series of fall coffees welcoming women who are new to University Park. The coffees, which are for incoming faculty and administrators or their wives, will be held the week of Sept. 18, prior to the fall recollection of Sept. 29.

The schedule is as follows: Sunday, Sept. 18, 8 p.m., at the home of Pat Tracy, 44 High Meadow Lane, with co-hostess Marsha Drake; Monday, Sept. 19, 8 p.m., at the home of Peggy Kendall, 714 Devonshire, with co-hostess Sherrie Becker; Tuesday, Sept. 20, 8 p.m., at the home of Sue Tressler, 49 Orlando, with co-hostess Cynthia Tiff; Friday, Sept. 23, 8 p.m., at the home of Cynthia Ignizio, 22 Crickelewood Circle, with co-hostess Cheryl Rose.

Also, Sunday, Sept. 25, 3 p.m., at the home of Jane Snyder, 322 Douglas Drive, with co-hostess Nancy Stephenson; Sunday, Sept. 25, 8 p.m., at the home of Pat McCormack, 311 Lamppost, with co-hostess Natalie Creese; Monday, Sept. 26, 8 p.m., at the home of Margaret Hardy, 1250 S. Garner St., with co-hostess Susan Gootzaitz; and Tuesday, Sept. 27, 8 p.m., at the home of Lynn Jablonsky, 1042 Saxton, with co-hostess Sheryl Yashin.

Further information may be obtained by contacting Jean Hoffman, hospitality chairman, at 234-0653.

Proceeds to be donated

All proceeds from the sale of tickets to Jo Hays Day, a testimonial dinner for the State College mayor scheduled for Wednesday, Sept. 28, will be donated to Penn State's Renaissance Scholarship Fund, at Mayor Hays' request. For additional ticket information, contact David Colton or William Engle in the Office of Gifts and Endowments or Glen Carter in the Office of Secondary School Relations.

Skywatch set for Friday

An astronomy open house will be held at 8 p.m. Friday, Sept. 16, on the roof of Davis Laboratory. In case of overcast skies, the open house, sponsored by the Astronomy Club and the Astronomy Department, will be held on Saturday, Sept. 17.

Penn State Intercom

News in Brief

Speakers announce topics for Faculty Convocation

President Oswald, Provost Edward D. Eddy and Faculty Senate Chairman Thomas E. Daubert will address the faculty of the University at the fourth annual University-wide Faculty Convocation to be held from 4 to 5 p.m. on Wednesday, Sept. 28.

University Park faculty members will attend the program at Eisenhower Auditorium. To accommodate faculty at other campuses, a simultaneous broadcast will be made to all 21 University locations, where faculty will gather in areas convenient to them.

The convocation, held late in the Spring Term in previous years, was scheduled for the Fall Term this year at the suggestion of the Faculty Advisory Committee to the President. The schedule change is an attempt to make the convocation an integral part of the planning for the year's activities.

President Oswald will speak on "Priorities of the University." Dr. Daubert's topic will be "Priorities Among Issues Facing an Effective Senate," and Provost Eddy will speak on "The Quest for Quality."

Library hours at campuses

Reductions in library hours announced last week apply only to the University Park Campus. Libraries at other campus locations will continue to operate on a normal schedule unless announcement has been made to the contrary.



Annual Horticulture Show takes place this weekend

The Ice Pavilion at the University Park Campus will come to life with greenery this weekend when the 64th annual Horticulture Show opens at 10 a.m. on Saturday. The show will continue through 9 p.m. that day and will be open from 9 a.m. to 4 p.m. on Sunday. There is no admission charge.

In keeping with this year's theme, "Gardening with an International Flair," visitors will be taken through four international settings: Spanish, English, Oriental and Western European gardens. Each will include a number of landscaping ideas that could be incorporated into

home gardens in Pennsylvania.

In addition, Pi Alpha Xi, the honorary fraternity in floriculture and ornamental horticulture, has prepared an herb garden for the show.

The Horticulture Show, which attracts about 20,000 visitors annually, is put together by students in the College of Agriculture, working with faculty advisors. Traditionally, the show is dedicated to a person who has made an outstanding contribution to horticulture and to the Horticulture Show at Penn State. The name of the person to whom this year's show is dedicated will be announced early on Sept. 24.

Visitors will be invited to shop in the sales area, before leaving the show. Plants on sale will include ferns, tropical and potted plants, succulents, cacti and carnivorous plants such as the Venus flytrap.

Applications being accepted for temporary positions

The University's Employment Division has released the following statement concerning temporary research positions:

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Such research grants or projects are normally of fixed duration and sometimes relatively short duration. In most instances, University project administrators must react quickly in making selections of staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of research staff positions typically available are: senior project associate, project associate, project assistant, senior research technologist, research technologist and research technician.

The types of discipline background required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, and chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Application deadline noted

Faculty advisers are reminded that Monday, Oct. 31, is the deadline for the submission of applications for the Harry S. Truman Scholarship. The scholarship, which provides up to \$5,000 per year for tuition, fees, room and board and books, is awarded to students preparing for "the responsibilities of government service and active political participation."

To be eligible, a student must be enrolled in a baccalaureate degree program as a junior in the fall of 1978; have a GPA of 3.00 or better and rank in the top

(Continued on page 4)

A preview of topics to come before Senate committees this year

The University Faculty Senate has provided the following list of major policy topics which will be discussed in Senate committees over the next several months. Faculty members who would like to submit pertinent information or suggest additional topics for consideration should contact the appropriate committee chairman or sub-chairman.

COMMITTEE ON ACADEMIC AND ATHLETIC STANDARDS

(Peter Rebane, Chairman — Ogontz Campus, 717-386-9400)

1. Review of Eight-Week Drop Rule

COMMITTEE ON ADMISSIONS, RECORDS, AND SCHEDULING

(John E. Ayers, Chairman — 211 Buckhout Lab, 865-7776)

1. Special admissions programs (Judd Arnold, S-232 Burrows, 865-9445)

2. Improvements in registration process

3. Review of new admissions policies

COMMITTEE ON CONTINUING EDUCATION

(James J. Bell, Chairman — Schuylkill Campus, 717-385-1500)

1. Delegation of approval authority for non-credit courses

2. Graduate study by correspondence

3. Teacher education courses

4. Recognition of faculty participation in Continuing Education activities

5. Financial assistance to non-degree students

6. Continuing Education program development funds for college budgets

COMMITTEE ON CURRICULAR AFFAIRS

(Stuart H. Mann, Chairman — S-126 Human Development, 865-1467)

1. Criteria for continued evaluation of courses

2. Definition of course level numbers (e.g., 100 vs. 300 vs. 400)

3. Review of large enrollment service courses

4. Review of cross listed courses

COMMITTEE ON EXTENDED DEGREES

(Albert N. Skomra, Chairman — Fayette Campus, 412-437-2801)

1. Revised guidelines and procedures

COMMITTEE ON EXTERNAL AFFAIRS

(Ernest L. Bergman, Chairman — 200 Tyson, 865-6594)

1. The image of Penn State to the Commonwealth

2. Legislative contacts

COMMITTEE ON FACULTY AFFAIRS

(Philip A. Klein, Chairman — N 257 Burrows, 865-5781)

1. Part-time faculty (E. H. Klevans, 231 Sackett, 865-1343)

2. Promotion and tenure (Peter Gold,

150 A. Davey, 865-7694)

3. Faculty rights and responsibilities (R. E. Malcolm, 409 Bus. Adm., 863-0707)

4. Governance (R. A. Smith, 101 White Bldg., 865-7591)

COMMITTEE ON INTRA-UNIVERSITY RELATIONS

(Walter B. Severs, Chairman — College of Medicine, 717-534-8289)

1. Delegation of responsibility and authority to college and campus faculty organizations

2. Discussions on part-time faculty (E. H. Klevans, 231 Sackett, 865-1343)

COMMITTEE ON LIBRARIES

(Manfred Kroger, Chairman — 104 Borland, 865-5444)

1. Library finances

2. Alternate ways of serving the University community with limited resources

COMMITTEE ON PLANNING AND DEVELOPMENT

(John J. Cahir, Chairman — 620 Walker, 865-0478)

1. Long range study of Penn State as a center for academic quality in the 1980s

2. Necessity for resource allocation impact statements for Senate legislation

COMMITTEE ON RESEARCH

(Thomas D. Larson, Chairman — Research Bldg., "B", 865-1891)

1. The climate for research at Penn State

COMMITTEE ON STUDENT AFFAIRS, AWARDS, AND SCHOLARSHIPS

(Arthur E. Goldschmidt, Chairman — 603 Liberal Arts Tower, 863-0061)

1. Services to part-time and non-traditional students

2. Procedures for student organization activation and deactivation

3. International students

COMMITTEE ON UNDERGRADUATE INSTRUCTION

(George W. Franz, Chairman — Delaware County Campus, 215-565-3300)

1. Role and function of advisors

2. Recognition of effective teaching and advising

3. Implementation of new retention and transfer policies

4. Implementation of new guidelines for student evaluation of courses and instructors

5. Long range study of the future of undergraduate instruction

BACCALAUREATE DEGREE REQUIREMENTS REVIEW COMMITTEE

(Thomas D. Larson, Chairman — Research Bldg., "B", 865-1891)

(Review of the baccalaureate degree general education requirements)

Penn Staters

Three members of the faculty participated in a joint meeting of the American Association of Teachers of Spanish and Portuguese and the European Association of Spanish Professors, held Aug. 8 through 17 in Madrid. **Dr. Martha T. Halsey**, associate professor of Spanish, read a paper entitled "Martín Recuerda's 'Las arcaicas del Beaterio de Santa María Egipciaca': A Contemporary Celebration of Mariana de Pineda and Her Sisters." **Dr. Robert P. Lima**, professor of Spanish and comparative literature, participated in a symposium on Cuban literature, and **Dr. Gerald Moser**, professor of Romance languages, read a paper entitled "Relaciones da Literatura Africana de Expressao Portuguesa." **Dr. Moser** also took part in a panel discussion on Iberoamerican literature reference books.

Robert E. Andreyka, head, Division of Occupational and Vocational Studies, directed a two-day awareness workshop on Competency Based Instruction for the Department of Education, San Juan, Puerto Rico, during the month of June.

Gerald R. Bodman, assistant professor of agricultural engineering extension, has been elected first vice-president of the North Atlantic Region—American Society of Agricultural Engineers. The region is made up of over 1,000 agricultural engineers from the 12 northeastern states, District of Columbia, and six eastern Canadian provinces.

Dr. Gideon Golony, professor of urban and regional planning, presented a paper at the International Conference for Mathematical Modeling, held at St. Louis Aug. 20 to Sept. 1. **Dr. Golony's** presentation was titled "Quantitative Method for Site Selection of a Regional Shopping Center."

Raniero Corbelli, professor and head of the Department of Architecture, has been named to the State Board of Examiners of Architects. The five-member board is responsible for licensing of professional architects in Pennsylvania. Other duties include assisting the Department of State of the Commonwealth in fiscal and other matters related to professional and occupational affairs, conducting hearings and investigations of alleged violations of the Architects' Law, and taking appropriate disciplinary action in regards to such violations.

The Cessless Wind, An Introduction to the Theory of Atmospheric Motion by **Dr. John A. Dutton**, professor of meteorology, has been selected as one of the outstanding academic books of 1976 by *Choice* magazine. The magazine, published by the Association of College and Research Libraries, a division of the American Library Association, annually chooses outstanding books to add libraries find "works of enduring value."

Dr. Eugene N. Borza, associate professor of history, is one of four Americans who will present papers at the Third International Symposium on Ancient Macedonia in Thessalonica, Greece, this fall. **Dr. Borza's** subject will be "The Symposium at Alexander's Court."

Research for the paper was completed at the Center for Hellenic Studies in Washington, D.C., while **Dr. Borza** was a research fellow of the Institute for the Arts and Humanistic Studies. A specialist in the history of Alexander the Great, **Dr. Borza** attended the previous Macedonian conference in 1973, and will travel for the second time as a recipient of an American Council of Learned Societies grant sponsoring participation in major international meetings.

Appointments

R. Michael Alliston as assistant professor of mathematics at Mont Alto. B.A., Rice U.; M.S., Ph.D., U. of Virginia. Formerly assistant professor, Northern Illinois U., DeKalb.

Glen H. Helman as assistant professor of philosophy. B.A., Oakland U.; M.A., U. of Pittsburgh; Ph.D. candidate, Pitt.

Stephen B. Knouse as assistant professor, Division of Social and Behavioral Sciences at Behrend College. B.A., M.A., Southern Methodist U.; Ph.D. candidate, Ohio State U.

Deborah B. Shaw as assistant professor of classics. B.A., Tufts U.; M.A., UC-Berkeley; Ph.D. candidate, Berkeley.

Judith Van Herik as assistant professor of religious studies. B.A., M.A.T., A.M., U. of Chicago; Ph.D. candidate, Chicago.

Kathryn M. Moore as associate professor of education and research associate, Center for the Study of Higher Education. B.A., B.S., M.A., Ohio State U.; Ph.D., U. of Wisconsin-Madison. Formerly assistant professor, Cornell U.

Richard P. Perkins as associate professor and head, Division of Maternal-Fetal Medicine, at Hershey. A.B., Hamilton College; M.D., Columbia College of Physicians and Surgeons. Intern, Strong Memorial Hospital; resident and chief resident, Ob/Gyn, Columbia-Presbyterian Medical Center. Previously, assistant professor, U. of Colorado School of Medicine.

William C. Stringer as assistant professor of agriculture. B.S.A., M.S., U. of Georgia. Ph.D., expected in August, from Va. Polytechnic Institute and State U.

Michael L. Tierney as research associate, Center for the Study of Higher Education. B.A., M.A., UC-Santa Barbara; Ph.D., UCLA.

Robert D. Weaver as assistant professor of agricultural economics. B.A., Carleton College; M.S., Ph.D., U. of Wisconsin-Madison.

Joseph L. Wysocki as associate professor of housing extension. B.S., Drexel U.; M.S., Penn State; Ph.D., Cornell U. Previously, assistant professor, Indiana U. of Pa. and Va. Polytechnic Institute and State U.

Paul F. Fairbrother as assistant professor of obstetrics and gynecology at Hershey. B.A., Balliol College, U. of Oxford; B.M.B.Ch., Oxford U. of Bristol; M.A., Oxford; M.R.C.S., L.R.C.P., Royal College of Surgeons and Physicians; M.R.C.O.G., Royal College of Obstetricians and Gynecologists. Formerly research director, senior lecturer, U. of Natal Medical School, Durban, S.A.

John W. Furlow Jr. as assistant professor of history at DuBois. B.A., Middlebury College; M.A., U. of Michigan; Ph.D., U. of North Carolina at Chapel Hill. Formerly assistant professor, Wilkes College; caseworker, Family Service Assn., Wilkes-Barre.

Anna H. Gajjar as assistant professor of education at University Park. B.A., Hunter College; M.Ed., Ph.D., U. of Virginia. Formerly elementary school teacher; continuing education instructor, U. of Virginia.

Bruce K. Coulvey as assistant professor of business administration. Sc.B., Brown U.; Ph.D., U. of Pittsburgh.

G. Elwood Hatley as associate professor of agronomy at University Park. B.S., M.S., North Carolina State U.; Ph.D., Purdue U. Formerly assistant professor, U. of Guelph, Canada.

Kathryn Hume as associate professor of English at University Park. A.B., Radcliffe College; Ph.D., U. of Pennsylvania. Formerly assistant professor of English, Cornell U.

Retirements

Dr. Lawrence S. Darken, professor of mineral sciences since 1972, has retired. From 1962 to 1971, **Dr. Darken** headed the Edgar C. Bain Laboratory for Fundamental Research at U.S. Steel Corporation. He first joined U.S. Steel in 1935. From 1944 to 1953, he was also instructor and adjunct professor at Brooklyn Polytechnic Institute.

A member of the National Academy of Sciences since 1961, he has done pioneering work in the thermodynamics and kinetics of metallurgical systems. Last year, the Darken Conference on Physical Chemistry in Metallurgy, sponsored by U.S. Steel at its Monroeville research laboratory, was held in his honor and attended by more than 300 experts in the physical chemistry of metallurgy from ten countries.

Dr. Darken is a fellow of the American Society for Metals, the American Association for the Advancement of Science, the American Institute of Chemists, the New York Academy of Sciences, the Metallurgical Society (AIME), and the Royal Society of Arts (London), a life fellow member of the Franklin Institute, Philadelphia, and a distinguished member of the Iron and Steel Society (AIME).

He received his B.A. degree from Hamilton College in 1930 and his Ph.D. from Yale in 1933.

Dr. C. Wilson Anderson, former commissioner for children and youth in the Pennsylvania Department of Public Welfare, has retired from the University with the rank of professor emeritus of social welfare. He came to Penn State in 1972 as a professor of social welfare and head of the Center for Human Services Development.

A 1934 Penn State graduate, **Dr.**

Mary Jane Irwin as assistant professor of computer science at University Park. B.S., Memphis State U.; M.S., Ph.D., U. of Illinois.

James A. Kurre as assistant professor of economics at Behrend College. B.A., U. of Cincinnati; M.A., Wayne State U.; Ph.D. candidate, Wayne State.

Christiane J. Makward as assistant professor of French at University Park. Lic. Sorbonne; Dip. Et. Sup., U. of Dakar; Doct. 3e Cycle, Sorbonne. Formerly lecturer, U. of Ibadan, Nigeria; U. of Wisconsin at Madison.

Richard Mayhew as assistant professor of art at University Park. Art Students League and Brooklyn Museum Art School. Formerly instructor, Pratt Institute; assistant professor, Smith College; Hunter College and San Jose State U.

Zena B. McGlashan as assistant professor of journalism at University Park. B.A., U. of Montana; M.A., California State U.; Ph.D. candidate, U. of Iowa. Formerly Home Living editor, Albuquerque Journal.

Amy A. Atkinson as instructor of health and physical education at Behrend College. B.A., Muskingham College; M.A., Kent State U. Formerly assistant sports information director, Muskingham.

David J. Beattie as assistant professor of agriculture at University Park. B.S., U. of Rhode Island; M.S., U. of Vermont; Ph.D., Michigan State U. Formerly research scientist, Canadian Dept. of Agriculture; director, Stanley Rowe Arboretum, Cincinnati; high school teacher, Fair Haven, Vt.

Allen C. Bloodorn as assistant professor of organizational behavior at University Park. B.S., M.A., Ph.D., U. of Iowa.



Dr. C. Wilson Anderson

Anderson received master of social work and doctor of social work degrees at the University of Pennsylvania and a law degree from the William Mitchell College of Law in St. Paul, Minn.

He served as director of home service for the Boston Metropolitan chapter, American Red Cross; as director of the Family Court for New Castle County in Wilmington, Del.; and as executive director of the Family and Children's Service, Minneapolis, Minn.

He was commissioner for children and youth in the Pennsylvania Department of Public Welfare from 1959 to 1966, when he became dean of the University of North Carolina's School of Social Work. Prior to joining the Penn State faculty, he headed the Center of Human Services in Cleveland, Ohio.

Following his retirement, effective Aug. 12, **Dr. Anderson** joined the faculty of Southern Illinois University, where he is assisting in the development of a graduate school of social work.

Sidney D. Berman as assistant professor of business administration at New Kensington. B.A., Gettysburg College, M.B.A., U. of Pittsburgh; Ph.D. candidate U. of Pittsburgh. Formerly staff auditor, Coopers and Lybrand, Boston, Mass.; financial analyst, Ketchum, MacLeod and Grove, Pittsburgh; assistant professor, Clarion State College.

Ronald W. Butler as assistant professor of statistics at University Park. B.S., Ph.D., U. of Michigan. Formerly, acting instructor, U.C.-Berkeley.

Peter J. Campbell Smith, assistant professor of biological chemistry and director of the Research Computer Facility at Hershey. B.Sc., Ph.D., U. of Edinburgh, Scotland. Formerly visiting assistant professor of biology, Purdue U.

Chan K. Chung as assistant professor of radiology, at Hershey. B.S., M.D., Yonsei Pre-Medical College, Seoul Intern, Long Island College Hospital; resident, Brooklyn-Cumberland Medical Center; resident and fellow, Jefferson University Hospital. Formerly assistant professor of radiology, U. of Virginia Hospital.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

University Park Calendar

Sept. 22-Oct. 2

Special Events

Thursday, Sept. 22

5 O'Clock Theatre, Dexter, 5:30 p.m., The Playhouse.
Department of Spanish, Italian and Portuguese, Servando Carballar and Company, traditional Hispanic folk-songs and ballads, 8 p.m., Room 112 Kern. Free admission.

Friday, Sept. 23

Pass/fail deadline.
Board of Trustees meeting, Room 402 Keller.
5 O'Clock Theatre, Dexter, 5:30 p.m., The Playhouse.

Saturday, Sept. 24

College of Agriculture Hort Show, 10 a.m.-9 p.m., Ice Pavilion.
Sports: football, vs. Maryland, 1:50 p.m.
Friends of India film, *Mausam*, 7:30 p.m., Room 112 Kern.

Sunday, Sept. 25

College of Agriculture Hort Show, 9 a.m.-4 p.m., Ice Pavilion.
P.S.O.C. Hiking Division, joint trail clear with Bucknell Outing Club on R. B. Winter extension in Bald Eagle State Forest, free picnic supper, 9 a.m., HUB parking lot.
University Chapel service, Gordon C. Godbey, 11 a.m., Eisenhower Chapel.
Sports: women's cross country, Lady Lion Invitational.

Shaver's Creek Nature Center, animal homes and signs walk, 2 p.m., Stone Valley.
Opening reception for Faculty Exhibition, 3-5 p.m., Zoller Gallery.

Monday, Sept. 26

Drop deadline.
Pass/fail deadline.
Coarse repeat deadline.
Reregistration deadline for winter term, 1978.
Intramural sports: men's graduate student and faculty/staff handball singles (round robin) and volleyball (round robin), entry open.
Entry close, Sept. 29.
france-cinema, *Duvivier, Pepe le Moko* (1937), the original Casbah movie, starring Jean Gabin, 7 and 9 p.m., Room 112 Kern.

Tuesday, Sept. 27

Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.
Comp. Lit luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club, John Kaiser.
Sports: field hockey, vs. Lock Haven, 3 p.m., soccer, vs. West Chester, 7 p.m.
Artists Series, Lloyd film, *The Freshman*, 8 p.m., Eisenhower Auditorium.
Sigma Delta Epsilon meeting, 8 p.m., Room 101 Kern.

Wednesday, Sept. 28

Arab Club lecture, 7:30 p.m., Room 101 Kern.
C.S.A. Commencement Theatre, *The Big Sleep*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, Sept. 29

Sports: women's tennis, vs. Mary Baldwin, 9:30 a.m.
Faculty Women's and Newcomers Clubs fall reception, 7:30-9:30 p.m., Rooms 101 and 102 Kern.

Friday, Sept. 30

Sports: j.v. football, vs. Fork Union, 2 p.m.
Artists Series, Vienna Choir Boys, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 1

Last date for Nov. graduates to deliver doctoral theses to Committee.
Outdoor pool closes officially, possibly open on a temporary basis, depending on weather.
P.S.O.C. Hiking Division, backpack on Pine Creek in Tiadaghton State Forest, through Sunday.

Sports: football, vs. Kentucky, 1:30 p.m.

Sunday, Oct. 2

University Chapel service, Richard Shaull, Princeton Theological Seminary, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, pods, prickles, and parachutes, 2 p.m., Stone Valley.



Seminars

Friday, Sept. 23

Analytical Chemistry, J. David Stuts on "Redox Equilibria of Inorganic Aqueous Sulfur Species," 11:10 a.m., Room 333 Whitmore.
Applied Research Laboratory, Frederick R. Stocker on "Computer Graphics and Acoustics: The Interaction," 2:30 p.m., Walker Conference Room, Applied Science Bldg.
Physical Chemistry, J. S. Lannom on "Raman Spectroscopy as a Probe of the Amorphous State," 4 p.m., Room 333 Whitmore.

Monday, Sept. 26

Biochemistry/Biophysics, Daisuke Nakada, University of Pittsburgh, on "Recent Progress in Plasmid Research: R Plasmids (Extrachromosomal Genetic Elements) Confering Drug Resistance to the Host Bacterial and Genetic Engineering," 3:55 p.m., Room 101 Althouse.

Tuesday, Sept. 27

Biochemistry/Biophysics, Daisuke Nakada, University of Pittsburgh, on "Transcriptional Control of R Plasmid Gene Expression," 11:10 a.m., Room 101 Althouse.
Air Pollution Control, Fred Osman, Pa. DER, Harrisburg, on "Pennsylvania Ambient Air Monitoring Networks," 2:20 p.m., Room 140 Fenske.
Engineering Science and Mechanics and Bioengineering, D. McQuern, New York University, on "Blood Flow Through Heart Valves," 4 p.m., 232 Hammond Bldg.
Inorganic Chemistry, William DeW. Horrocks, Jr. on "Lanthanide Ions as Probes in Chemistry and Biology," 8 p.m., Room 333 Whitmore.

Wednesday, Sept. 28

Bio/Inorganic Chemistry, Bernard T. Golding, University of Warwick, Coventry, England, on "Approaches to Enzyme Mechanisms. Stereochemical and Model Studies (Vitamin B₁₂)," 11 a.m., Room 333 Whitmore.
Fuel Science, Daniel J. Serer, United Aircraft Research Laboratories, East Hartford, on "Probe Sampling of Laboratory Flames," 4 p.m., Room 301 Mineral Industries.

Thursday, Sept. 29

Ceramic Science, S. Mahajan, Bell Telephone Labs. on "The Formation of Sucking Faults and Deformation and the Behavior of Silicon Containing Oxygen," 11 a.m., Room 301 Mineral Industries.

Chemistry, Russell N. Grimes, University of Virginia, on "Structures of Cage and Cluster Compounds: An Emerging Underlying Unity," 12:45 p.m., Room 333 Whitmore.

History Colloquium, Merritt Roe Smith, Ohio State University, on "Technology and the American Dream," 2:30 p.m., Room 301 HUB.
Physics, Samuel Williamson, New York University, on "The New Animal Magnetism," 3:50 p.m., Room 117 Osmond.
Meteorology, Joachim Joseph, Tel-Aviv University, on "Experiments with the Near Gem Using Radiative Parameterization of Natural Aerosols," 4 p.m., Room 112 Walker.
Microbiology/Cell Biology, S. Takahashi, McGill University, on "Identification and Purification of the *rep* Gene Protein of *E. coli*," 4 p.m., Room 52 Frear.
Philosophy, Robert Price on "The Philosophical Importance of Aristotle's *Categories*," 4 p.m., Room 174 Willard.

WPSX Highlights

Guest conductor Zubin Mehta leads the New York Philharmonic in a live concert of Mozart, Wagner, and Stravinsky on Live from Lincoln Center, Saturday, Sept. 24, at 8:30 p.m. Shirley Verrett is the soloist.

Murder One, Sunday, Sept. 25, at 11 p.m., looks at the issue of capital punishment through the eyes of six convicted murderers, their families, and the families of their victims. Of the six, only three now face the possibility of execution. They are doing time on Death Row in a Georgia prison.

John Kenneth Galbraith takes viewers into the rich, gaudy panorama of nineteenth-century capitalism — "a museum of the higher primates" — on **The Age of Uncertainty**, Monday, Sept. 26, at 9 p.m. Examining the manners and morals of the robber barons and railroad magnates, the noted economist draws a parallel between the early capitalists and organized crime in the twentieth century. The program is part of a credit course through The Pennsylvania State University of the Air.

The American free press has been extolled as the bulwark of all American liberties.

Friday, Sept. 30

History Colloquium, Merritt Roe Smith, Ohio State University, on "Technology Assessment from the Stance of a 19th Century Historian: Military Technology and the Industrial Revolution," 10:45 a.m., Applied Research Lab.

Exhibits

Anthropology Museum: Tuesday and Thursday, 9 a.m.-noon, and Wednesday, noon-5 p.m. Central American and Mexican Pre-Columbian exhibit: ethnographic artifacts from Ethiopia.

Chambers Gallery: Janet Tracy and R. H. Grinstead, prints and collages, opens Sept. 26.

Earth and Mineral Sciences Museum: Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m.

Frost Entomological Museum: weekdays, 9 a.m.-noon and 1-4:30 p.m. Gypsy moth exhibit.

HUB Gallery: Smithsonian Institution exhibit, "The Scent of American Invention," the development of American chaimaking, closes Sept. 25; Bruce Schwabach, paintings, closes Sept. 30; Homecoming exhibit, opens Oct. 1.

Kern Commons Gallery: prints by faculty and graduate students; Walter Benson, photographs; Nancy Norton, stained glass, all through Oct. 1. Michael Ondlik, photographs; Les Richel, wood sculpture; multimedia Fire Prevention Week exhibit, all open Oct. 1.

Museum of Art: noon-5 p.m., daily, closed Monday. Museum tours, Sunday, 2:30 p.m. Arne Jacobsen, Danish architect and designer; William Cullen Bryant collection; contemporary stage design.

Museum of Art HUB Gallery: Esmark collection of Currier and Ives prints.

Pattee Galleries: Bob Andriulli; Steve Marvill, color photography.

Zoller Gallery: Faculty exhibition, opens Sept. 24.

Charles Frankel examines his claim as the "first freedom" on **In Pursuit of Liberty**, Monday, Sept. 26, at 10 p.m. "It simplifies, it sensationalizes, it often gives us one-sided stories," says Frankel. "Is it possible that this 'first freedom' of ours is somewhat overrated?"

Mandatory retirement — its problems for employers and employees — is the subject of **Takabaut**, Tuesday, Sept. 27, at 7:30 p.m. Appearing on the program are Charles Taylor, professor of human development and psychology, and Fred Eisele, assistant professor of social policy in the division of community development at Penn State.

Education is the subject of a panel discussion on **The Benjamin Franklin Symposium** Wednesday, Sept. 28, at 10 p.m. Appearing on the panel are Senator Jeanette F. Reisman and Representative G. Sieber Pancoast, who represent the education committee of the state legislature. Jacques Angle, president of the Pennsylvania State Education Association, and Albert Unger, director of government relations for the Pennsylvania State Board Association.

News in brief

(Continued from page 1)

one-fourth of his class; be a U.S. citizen; and have selected an undergraduate major that will permit admission to a graduate program leading to a career in government.

A letter of application, an up-to-date transcript, three letters of recommendation and a paragraph outlining career plans should be submitted to Dr. Robert S. Friedman, 107 Burrows Bldg., (865-7515) before the deadline.

College marks anniversary

A series of special events and programs highlighting the importance of human services are planned for the tenth anniversary celebration of the University's College of Human Development Oct. 9 to 11.

State and national leaders in the human service field are being invited to the observance, which will feature a series of recognized speakers in each of the college's four academic divisions and the Institute for the Study of Human Development.

In addition to the speakers, the celebration, which is open to the public, will feature a special program sponsored by the College of Human Development Alumni Association. Twenty-five alumni who have been serving as field practicum supervisors for University students will participate.

As part of the observance, the annual Alumni Recognition Award will be presented on Tuesday, Oct. 11.

Seminar planned

The Faculty Affairs Committee of the University Faculty Senate is sponsoring a seminar for the ombudsmen who represent each voting unit within the University, beginning at 11:15 a.m. on Tuesday, Oct. 4. It will be held in the Penn State Room at the Nittany Lion Inn.

For additional information or to make reservations, ombudsmen may contact the Faculty Senate Office (865-0221).

Club schedules reception

The Faculty Women's Club and the Newcomers Club will hold their annual fall reception from 7:30 to 9:30 p.m. on Thursday, Sept. 29, at Kern Graduate Bldg. All faculty women and wives of University faculty are invited to attend.

At the reception, an informal punch party, members will be invited to sign up for the interest groups sponsored by both organizations. Interest group chairmen will set up exhibits describing each group's activities and will be present to answer questions.

Additional information is available from Mary Eagleton, chairman of the reception, at 238-2970.

Folk, square dances set

Three Folk and Square Dance Roundups have been scheduled for the Fall Term and will be open to all faculty, staff and students and their families. They are sponsored by the College of Health, Physical Education and Recreation.

Each roundup will be held from 7:30 to 9 p.m. in Room 133 of White Bldg. The dates are Friday, Sept. 30, Friday, Oct. 14, and Friday, Nov. 4.

Still some Free U openings

Although Free University registration was held earlier this week, it is still possible to sign up for some courses. For additional information, or a Free U course list, call 863-0038.

Fall reception planned for Forum on Black Affairs

The Forum on Black Affairs will hold its fourth annual fall reception for Black faculty, staff and graduate students from 7:30 to 9:30 p.m. this evening (Sept. 22) at the Paul Robeson Cultural Center.

Guest speakers will be Dr. Warren Coleman, assistant professor of physical education, discussing Black life at Penn State and in the Centre region, and Roosevelt Green Jr., assistant to the dean of the Graduate School for minority recruitment. Mr. Green will discuss the effort to recruit Black graduate students.

The executive committee of the Forum, headed by the Rev. Charles Coleman, Forum president, will discuss plans for the coming year. A fellowship hour will conclude the meeting from 8:30 to 9:30 p.m.

Scripts sought for TIPS

The coordinators of a new information service for students, to go into operation Jan. 1, are inviting all University faculty and staff to consider preparing scripts in their specialty areas to be included in the system.

To be known as TIPS (Telephone Information Programs), it will be operated through Listening-Learning Services and will make the answers to a number of questions students frequently ask as close as the nearest telephone. A phone call to the TIPS library will allow students and others to hear a pre-recorded tape on any one of many subjects, ranging from financial aid to the requirements for specific majors. The tapes will be approximately three to five minutes in length.

According to Willard Martin, the director of Listening-Learning Services, the TIPS coordinators are looking for questions that can be answered concisely and objectively in the general areas of undergraduate studies and student affairs. Scripts are being written now, and will be reviewed extensively before they are recorded.

Anyone who would like to suggest an idea for a script should contact Dr. Martin (865-1325), James Kelly, TIPS academic information coordinator (865-7576), or Mary Ann Sagarita, TIPS student affairs coordinator (865-3491).

Weekly meat sales resume

Weekly meat sales at the University Meats Laboratory have resumed, now that Fall Term classes are underway. The lab, which is located across Fox Hollow Road from Beaver Stadium, will be open for the sale of a variety of meat cuts from 1:30 to 4 p.m. every Friday.

Photography exhibit includes scenic views of Pennsylvania

"The Quiet Moment," an exhibition of photographs of Walter Benson, of Harrisburg, opened in the Commons Gallery, Kern Graduate Bldg., on Sept. 17. It will continue through Saturday, Oct. 1.

Mr. Benson's photographs depict the serenity of rural America, and the exhibit includes several scenic views of the Central Pennsylvania area.

A graduate of the Leica School of Photography, Mr. Benson is also a graduate of the University of Oklahoma and holds an M.S. from Syracuse University.

He was the organizer and the first president of the Central Pennsylvania Industrial Photographers Association.

The first photographer to exhibit at the William Penn Museum in Harrisburg, he has also exhibited his work at the University of Oklahoma, Syracuse University, the Jewish Community Center in Harrisburg, the Hershey Educational Center at Hershey, and in other Central Pennsylvania galleries.

Affirmative Action notice posted

The following notice, provided by Affirmative Action officers, will be published in two consecutive issues of *Intercom* and *The Reporter*, in compliance with Section 503 of the Rehabilitation Act of 1973.

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified handicapped individuals.

We need your help in assuring compliance with the affirmative action guidelines established by Section 503 of the Rehabilitation Act of 1973. If you have a physical or mental impairment, a record of having had such an impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Program.

It will assist us in proper placement and appropriate accommodations if you tell us about (a) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do

because of your handicap, so that you may be considered for any positions of that kind, and (b) possible accommodations which could be made which would enable you to perform the job properly and safely.

Submission of this information is voluntary and refusal to provide it will not subject you to discharge or disciplinary treatment. Information obtained concerning individuals shall be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on the work-duties of handicapped individuals, and regarding necessary accommodations, (2) first aid and safety personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment, and (3) government officials investigating compliance with the Act shall be informed.

The Affirmative Action Office is responsible for coordination of compliance with the requirements of Section 503.

To be included in the Affirmative Action Program, call 863-0473 and additional data will be sent to you.

Funding Sources

For further information, call 865-1372

Q387-3 A summary of November deadline dates follows. Specific information is available.

(1) **Arts/Humanities International** — ACLS recent PhD research fellowships, postdoctoral study fellowships; George Marshall Scandinavian fellowships; IIE graduate study abroad; IREX USIB graduate student, senior scholar, and secondary education scholar exchange; George Marshall German fellowships, NEA literary magazine, 1467 grants to composers, librettists, and translators; NEH research materials, education pilot and project grants, E&S education; Smithsonian foreign currency program.

(2) **Education/Human Development** — CLR library fellowships; NIE education research; OE doctoral dissertation, faculty research abroad; foreign curriculum consultants, group projects abroad.

(3) **Science/Energy** — NAS Eastern Europe exchange programs; NSF US-France exchange of scientists; Student oriented studies.

(4) **Health/Mental Health** — FDA food research grants; HRA nurse practitioner, advanced nurse training, nurse training improvement, long term care research, nursing research projects, D&D grants, emergency medical services research-health manpower research; NIDA alcohol dependence research, research centers; NIDA drug addiction and abuse research; NIMH studies, aging and epidemiology research; NIH biotechnology research, clinical and biomedical research, lab animal research; NCI cancer control, clinical education, NEI vision science research; NHLBI pulmonary research, prevention and control; NIA cellular aging research; NIAMD diabetes; NIDR dental research; NIEHS environmental and genetic research; NIGMS anesthesiology, pharmacology, toxicology, trauma and burn; NIM future resources and publication; NINCDS regeneration research. (Ref. OPF Nov. Deadline Dates)

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been exempted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Sept. 29. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Beaver. Responsible to Dean of Student Affairs for the administration and coordination of student aid programs and part time and summer student employment, for the coordination of special programs and services for veterans' affairs and for student recruiting. Master's degree in student personnel or other related fields, plus up to one year directly related experience or Bachelor's degree with two to three years directly related experience.

ASSISTANT PROGRAM/BUDGET ANALYST, OFFICE OF BUDGET AND PLANNING — University Park. Assist in developing data and analytical frameworks for the evaluation of program budget needs, effectiveness of resource utilization and program performance in meeting identified objectives for all major elements of the University program areas. Bachelor's degree in accounting/economics or other related field or from one to two years of directly related experience is required. Position available only until June 30, 1978.

Transitional dates set for heating, cooling systems

Fall "transitional dates" for University air conditioning and heating systems have been established by the University's executive energy conservation committee.

The following approximate dates have been determined:

Residence Halls and Ritenour Health Center — Heat has been available since the start of Fall Term.

Academic and administrative buildings — Comfort air chillers were turned off Sept. 15; heat will be available Sept. 24.

Research areas — Chillers were turned off Sept. 21, unless needed.

Computer Center and computer areas in Shields Bldg. — Chillers will be turned off Oct. 17.

According to Ralph E. Zilly, vice president for business and chairman of the committee, the dates were based on a

study of 30 years of hourly temperature history, supplied by the Department of Meteorology.

Mr. Zilly notes that some minor problems can be expected with systems that have been off for three months, and that all problems should be reported to the Maintenance and Operations Service Desk, 865-4731.

Faculty Club to meet

The fourth annual meeting of the Penn State Faculty Club will be held at 8 p.m. on Wednesday, Oct. 5, in Room 101 Kern Bldg. Reports of the last year's activities will be presented by the officers and committee chairmen.

Reports will also be given on current activities. Dinner will be available at the club prior to the meeting. Reservations are encouraged but not necessary.

Penn State Intercom



Dr. Benson

Benson to present E.A. Day lecture

Andrew A. Benson, professor of biology at Scripps Institution of Oceanography and a former faculty member at Penn State, will deliver the 1977 E. A. Day Memorial Lecture in Food Science.

The lecture, which is open to the public, will be given at 11 a.m. on Monday, Oct. 10, in Room 112, Kern Bldg. It will be entitled "Oceanic Food Chains and Challenges."

The Edgar Allan Day Lecture, sponsored by the Department of Food Science, honors an alumnus of the University (M.S. '55, Ph.D. '57) who was widely known for his research in flavor chemistry. He was executive vice president of International Flavors and Fragrances Inc. at the time of his death in 1972.

Dr. Benson, a member of the National Academy of Sciences, received a B.S. in chemistry from the University of California, Berkeley, in 1939, and a Ph.D. in organic chemistry and neurophysiology from California Institute of Technology in 1942.

In addition to faculty appointments at the University of California, Berkeley (1942-43 and 1946-54), and Stanford University (1944-46), he served as associate professor and professor of agricultural and biological chemistry at Penn State from 1955 to 1961. Prior to his appointment at Scripps, a unit of the University of California, San Diego, he was professor-in-residence in the medical school at UCLA during 1961-62.

In addition to his research and teaching responsibilities at Scripps, Dr. Benson has served as chairman of the Marine Biology Research Division (1965-71), associate director for biology (1966-70) and director of the Physiology Research Laboratory (1970-76). He has helped to organize and direct marine biology research expeditions to many areas of the world.

For his discovery of the intermediates of sucrose synthesis in plants, Dr. Benson was the recipient, together with Melvin Calvin, of the Sugar Research Foundation Award for 1950. He was awarded a Fulbright Lectureship at the Agricultural College of Norway for 1951-52. He received the Lawrence Award of the Atomic Energy Commission in 1962 for his development of radiotracer methods in biology.

News in Brief

First figures show 52,815 enrolled

Preliminary registration figures for the fall term at the University show an enrollment of 52,815 at all locations and 31,793 at University Park.

Compared with incomplete figures of a year ago, the enrollment for the current year shows a gain of 168 at University Park and a decrease of 233 in total figures. King of Prussia Graduate Center and Capitol Campus at Middletown also reported gains.

Incomplete totals, as of Sept. 14-15, were 31,793 at University Park; 16,146 at the Commonwealth Campuses; 1,599 at Behrend College; 308 at King of Prussia Graduate Center; 478 at The Milton S. Hershey Medical Center; and 2,491 at Capitol Campus.

The figures also show an enrollment of 38,694 baccalaureate degree candidates; 3,592 associate degree candidates; 6,379 graduate and medical students; 1,748 nondegree students; and 2,402 provisional students.

Final figures for the fall term, including all late registrations, will be published later.

University Council requirements revised

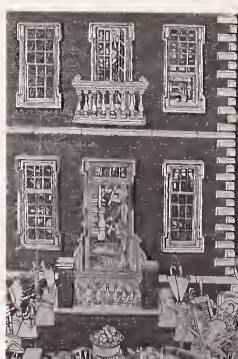
Acting on a University Council recommendation endorsed by President Oswald, the trustees have approved a revision of membership requirements for the Council.

The revision will permit faculty members from Behrend College at Erie, Capitol Campus at Middletown, and The Milton S. Hershey Medical Center at Hershey, and fourth-term students from the University Park Campus to be eligible to join the Council.

Formerly, seventh-term standing was required for student eligibility for appointment to the Council. In a biennial review of the organization and operation of the Council, however, it was noted that many of the most effective student members have been those who have served for more than one year-term.

The composition of the Council remains basically unchanged and includes the provost, two deans of the colleges, one director from a campus other than University Park, and four tenured members of the faculty, three from the University Park Campus and one from a campus other than University Park. Student members will now include two students with the status of fourth term or above, representing the undergraduate students at the University Park Campus; one graduate student; and one undergraduate student representing the students at campuses other than University Park.

The Council was established in 1970 by the Board of Trustees to serve as a broad advisory group to the president of the University; to provide a means of communication among administrative officers of the University, the faculty, and students; and to bring together the leaders of the University community to consider and review in depth significant matters.



Detail from "The Peter Snyder House" by Stuart Frost, professor of art, one of the exhibits from The Art Faculty Exhibition, on display at Zoller Gallery through Oct. 3.

VADD coverage may be changed

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain and complete a new VADD enrollment card from your dean or administrative office and send it to the Employee Benefits Division, 133 Willard Bldg., by Oct. 31. All changes received by that date become effective Nov. 1.

If you should wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Biweekly Deduction
\$ 10,000	\$.50 single \$.70 family	\$.23 single \$.32 family
\$ 25,000	\$ 1.25 single \$ 1.75 family	\$.57 single \$.80 family
\$ 50,000	\$ 2.50 single \$ 3.50 family	\$ 1.15 single \$ 1.61 family
\$100,000	\$ 5.00 single \$ 7.00 family	\$ 2.30 single \$ 3.23 family
\$150,000	\$ 7.50 single \$10.50 family	\$ 3.46 single \$ 4.84 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

No action is needed to continue your current coverage without change.

Basic skills policy statement before Senate

The University Faculty Senate will be asked to reconsider a policy statement related to basic skills courses when it meets at 2:10 p.m. in Room 112 Kern Bldg. next Tuesday.

Because of a conflict between legislation passed by the Senate last spring and student financial aid requirements, the Senate Council will propose that the following policy statement be approved:

"Credits earned in English 4 and Math 198(R) shall be included in the cumulative grade point average. For a baccalaureate degree these credits shall be included in the total credits earned toward graduation, but shall not substitute for the minimum program requirements designated under the categories of 'Baccalaureate Degree Requirements,' 'Requirements for the Major,' and 'Electives.' For an associate degree these credits shall be included in the total credits earned toward graduation, but shall not substitute for the minimum program requirements unless approved by the program faculty."

The modified policy would replace legislation proposed by the Joint Presidential-Senate Commission to Study Remedial Education and approved at the March 1, 1977, Senate meeting. That legislation provided that:

"Courses that may be taken to remove deficiencies in the basic skills are to ensure the attainment of specific competencies as part of the student's program but may not be used to satisfy the basic minimum requirements for graduation in any baccalaureate degree program. Additionally, these courses may not be used in calculating grade-point averages in any baccalaureate degree program."

The change is being proposed because the Pennsylvania Higher Education Assistance Agency requires that students carry a minimum of eight credits per term which are applicable toward a degree and successfully complete a minimum of 24 credits per academic year. Balancing the current Senate policy with that requirement could present problems for a significant number of Penn State students, according to the Senate Council.

Senate will also hear an informational report from the Committee on Admissions, Records, and Scheduling on the reinstatement of baccalaureate students previously dropped as degree candidates.

Art historian to visit

Professor John Dixon Hunt, art and architectural historian from Bedford College in England, will visit the University Park Campus as a guest of the Institute for the Arts and Humanities Studies Oct. 3 to 5.

In addition to scheduled classroom visits, he will give three public lectures. The first, an illustrated lecture on Italian Renaissance villas and the English country home, is scheduled for 8 p.m. on Monday, Oct. 3, in Room 101 Kern Bldg. The second, a part of the English Colloquium,

(Continued on page 4)

Penn Staters

Dr. John Hardin Best has been appointed professor of education and head of the Division of Education Policy Studies in the College of Education. He previously served as chairman of the Department of Foundations of Education at Georgia State University in Atlanta.

Dr. Donald J. Willower, professor of education, served as acting head of the division until Aug. 1, the effective date of the appointment of Dr. Best.

Dr. Best, a graduate of Duke University, received an M.A. in history and Ph.D. in history of education from the University of North Carolina. He has taught at Mississippi Women's University, Rutgers University, and the University of Florida. He is the author of two books, *The American Legacy of Learning: Readings in the History of Education*, with Robert T. Sidwell, and *Benjamin Franklin on Education*. Dr. Best is president-elect of the American Educational Studies Association.

Dr. David T. Wilson, professor of marketing, has been named head of the Department of Marketing. He succeeds Dr. H. Lee Mathews, who resigned to become head of the Department of Marketing at Ohio State University.

Dr. Wilson, whose teaching and research interests focus on industrial marketing and decision-making processes, joined the University faculty in 1968. He spent the year prior to joining the faculty as the first American Marketing Association Fellow with Industry, serving as assistant to the president of American Standard Products, Canada.

A native of Canada, Dr. Wilson received the bachelor of science degree in mechanical engineering from Queen's University, and the master of business administration and doctor of philosophy degrees from the University of Western Ontario. He is the co-author of *The Distribution of Packaged Consumer Goods: An Annotated Bibliography*, as well as co-author, with Dr. Mathews and Dr. Ira Dolich, professor of marketing, of *Analysis and Decision Making: Cases for Marketing Management*.

Dr. Robert M. Stern, professor of psychology, has been named acting head of the Department of Psychology. He succeeds Dr. Merrill E. Noble, who has headed the department since 1967. Dr. Noble, on leave for the coming year, will continue as professor of psychology.

A graduate of Franklin and Marshall College, Dr. Stern received the master of science degree in psychology from Tufts University and the doctor of philosophy degree, also in psychology, from Indiana University at Bloomington.

He served as teaching and research assistant at Tufts University, as a research psychologist at Harvard University Medical School, and as a teaching and research assistant and teaching associate at Indiana. He joined Penn State's faculty in 1965.

Dr. James D. Hammond, professor of business administration, has been named the first William Elliott Faculty Fellow in the College of Business Administration. He will serve for the 1977-78 academic year.

The fellowship, made possible by Mr. Elliott, chairman of the Executive Committee of the Philadelphia Life Insurance Company, provides for special emphasis on the insurance industry and its business management.

Dr. Hammond, a faculty member at Penn State since 1964, is the author of *Essentials of Life Insurance*. He has been recipient or co-recipient of five Journal of Risk and Insurance awards for outstanding contributions to the insurance literature.

He is a 1955 graduate of Northwest Missouri State University, Maryville, Mo., an institution that honored him as a Distinguished Alumnus in 1976. He has served on the faculties at Ohio State University and the University of Pennsylvania, where he received his doctor of philosophy degree.

In addition, he was formerly president of the American Risk and Insurance Association and assistant editor of the *Journal of Risk and Insurance*. In 1967, he was a staff consultant to the Insurance Commission of the President's National Advisory Commission on Civil Disorders.

Dr. Frank Swetz, associate professor of mathematics and education at the Capital Campus, has been selected as one of 20 outstanding U.S. mathematics educators to be a member of a National Council of Teachers of Mathematics delegation to tour the People's Republic of China this fall. The delegation will study mathematics education there.

Dr. Swetz has done extensive research on Chinese mathematics education and the history of Chinese mathematics. His book, *Mathematics Education in China: Its Growth and Development*, will be used as a reference by the delegation.

Dr. Constance Pierce, assistant professor of English, has received a Fulbright Fellowship to Portugal. She will lecture on American literature at the University of Oporto from January to June, 1978.

Dr. Philip S. Skell, Evan Pugh Professor of Chemistry, presented a plenary lecture at the Symposium on the Chemistry of Free Radicals, at the national meeting of the American Chemical Society in Chicago, Ill. In his lecture, Dr. Skell described research on succinimidyl and related radicals conducted with Dr. James Day, a postdoctoral student in his laboratory.

Dr. Norman Freed, associate professor of physics, recently returned from a summer term as guest professor at the University of Paris at Orsay. His visit was sponsored jointly by the University of Paris and the Center for Nuclear Studies of the French Atomic Energy Commission at Saclay.

While in Europe, Dr. Freed also presented invited seminars in West Germany at the Deutsches Elektronen-Synchrotron Laboratory (DESY) in Hamburg, the Institute for Theoretical Nuclear Physics of the University of Bonn, and the Institute for Theoretical Nuclear Physics at the University of Karlsruhe.

Dr. George M. Enteen, associate professor of history, has been serving as a visiting fellow of the Institute for Sino-Soviet Studies of the George Washington University, conducting research on Russian history.

Art historian to visit

(Continued from page 1)

will take place at 8 p.m. on Tuesday, Oct. 4, also in 101 Kern Bldg., with the topic, "Travellers' Paradise: Englishmen in Italy as Recorded in Their Journals and Travel Books."

Prof. Hunt will also address the Comparative Literature Luncheon group, which meets at 12:15 p.m. on Oct. 4, on "Rossetti: Word and Image."

Author of the recent book, *The Figure in the Landscape: Poetry, Painting, and Gardening During the Eighteenth Century*, Prof. Hunt is particularly interested in the encounters between literature and the visual arts. He is considered an authority on nineteenth century art and architectural history.

An exhibition relating to Prof. Hunt's work is now on display in the main lobby of Pattee Library and in the Rare Books Room. There will be a reception honoring him, to which the public is invited, at 3 p.m. on Oct. 4 in the Rare Books Room.



USG President Grant Ackerman addresses Public Awareness Rally in front of Old Main.

Students hold rally on budget crisis

President Oswald expressed confidence last Friday that the Pennsylvania Legislature will reach a solution on the financial crisis facing higher education in the State.

Speaking at the Public Awareness Rally sponsored by the Undergraduate Student Government, Dr. Oswald said, "I personally have no doubt that a solution will be found to this very important and difficult matter."

"Nevertheless," he told students attending the rally, "it is important for you and your parents to keep before the legislature the importance of this problem and the urgency of it being solved in a bipartisan way as soon as possible."

He also urged students, in talking and writing to legislators, to emphasize the value of an institution like Penn State to the people of Pennsylvania, pointing out that it not only provides education for 53,000 students on 22 campuses, but is also an important research center.

Noting that the legislators should not only understand the seriousness of the funding situation but also the urgency of it, Dr. Oswald said, "There is no question in my mind about the solution. It will be

positive. But it will be a difficult one and it will take a great deal of attention."

Grant Ackerman, USG President, told the rally that the University faces an unprecedented budget crisis "that will not vanish tomorrow," and he urged students to watch developments in Harrisburg carefully this week.

"We must let them know they can't allow the University to suffer. We must ask them to invest in the future of all Pennsylvania by supporting higher education in this State," he said.

Dr. John J. Coyle, immediate past chairman of the University Faculty Senate, expressed concern at the rally about "erosion of academic quality inherent in this budget crisis."

Also voicing concern on the budget situation were University Trustees Kenneth L. Holderman and Marian U. Barash.

Other speakers included Trustee and State Rep. Helen D. Wise, State Sen. J. Doyle Corman, and House Majority Leader James J. Manderson, all of whom voiced support for a University appropriation.

Affirmative Action notice

The following notice, provided by Affirmative Action officers, will be published in two consecutive issues of *Intercom* and *The Reporter*, in compliance with Section 503 of the Rehabilitation Act of 1973.

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified handicapped individuals.

We need your help in assuring compliance with the affirmative action guidelines established by Section 503 of the Rehabilitation Act of 1973. If you have a physical or mental impairment or a record of having had such an impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Program.

It would assist us in proper placement and appropriate accommodations if you tell us about (a) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do because of your handicap, so that you may be considered for any positions of that kind, and (b) possible accommodations which could be made which would enable you to perform the job properly and safely.

Submission of this information is voluntary and refusal to provide it will not subject you to discharge or disciplinary

treatment. Information obtained concerning individuals shall be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on the work-duties of handicapped individuals, and regarding necessary accommodations, (2) first aid and safety personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment, and (3) government officials investigating compliance with the Act shall be informed.

The Affirmative Action Office is responsible for coordination of compliance with the requirements of Section 503.

To be included in the Affirmative Action Program, call 863-0473 and additional data will be sent to you.

Department of Public Information and Relations

Room 312 Old Main
University Park, Pa. 16802
Telephone: (814) 865-7517

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the *Calendar Editor*, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

University Park Calendar

Sept. 29-Oct. 9

Special Events

Thursday, Sept. 29

Sports: women's tennis, vs. Mary Baldwin, 9:30 a.m.

Faculty Women's and Newcomers Clubs fall reception, 7:30-9:30 p.m., Rooms 101 and 102 Kern.

Friday, Sept. 30

Sports: j.v. football, vs. Fork Union, 2 p.m.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Artists Series, Vienna Choir Boys, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 1

Last date for Nov. graduates to deliver doctoral theses to committee.

Outdoor pool closes officially, possibly open on a temporary basis, depending on weather.
P.S.O.C. Hiking Division, backpack on Pine Creek in Tadiaghton State Forest, through Sunday.

Sunday, Oct. 2

University Chapel service, Richard Shaull, Princeton Theological Seminary, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, pods, prickles, and parachutes, 2 p.m., Stone Valley.



Monday, Oct. 3

Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers. Free admission.
france-cinema, *Berri, The Two of Us* (1968), a rare relationship between an old man and a small boy, 7 and 9 p.m., Room 112 Kern.

L.A.I.F.S. illustrated lecture: John Dixon Hunt, Bedford College, London, on "My Pattern for a County Seat" (English Renaissance villas and the English country house), 8 p.m., Room 101 Kern.

Tuesday, Oct. 4

Fixed date for meetings involving Commonwealth Campus faculty.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club. John Dixon Hunt, Bedford College, London, on "Rosetti: Word and Image."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Reception for John Dixon Hunt, 3 p.m., Rare Book Room, Pattee.

Shakespeare film, *Hamlet* (Richardson/Williamson), 6:30 p.m., Room 101 Chambers.

Free admission
English colloquium, 8 p.m., Room 101 Kern.
John Dixon Hunt, Bedford College, London, on "Travellers' Paradise: Englishmen in Italy as Recorded in their Journals and Travel Books," 8 p.m., Room 101 Kern.

Wednesday, Oct. 5

G.S.A. Commonsplace Theatre, *Maltese Falcon*, 7:30 and 9:30 p.m., Room 112 Kern.

Penn State Faculty Club annual meeting, 7:30 p.m., Faculty Club.

P.S.O.C. Hiking Division meeting, James Lindsey will talk on the Pennsylvania Black Bear, 7:30 p.m., Room 214 Boucke.

Artists Series, American Film Theatre, Edward Albee, *A Delicate Balance*, 8 p.m., Eisenhower Auditorium.

University Theatre, student preview of *A View From the Bridge*, 8 p.m., Pavilion Theatre.

University Readers, *The Pirates of Penzance*, with piano accompaniment, 8 p.m., HUB assembly room.

Earl Williams, cello, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 6

Sports: women's tennis, vs. Colgate, 1:30 p.m.

FSHA 4:10 dinner. Three plates from President Washington's table, 5:30 p.m., Maple Room. Reservations at 865-7441.

University Theatre, Arthur Miller, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Friday, Oct. 7

Fixed date for meetings involving Commonwealth Campus faculty.

Homecoming Alumni Tea, 4:45 p.m., Room 101 Kern.

University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

University Readers, *The Pirates of Penzance*, with piano accompaniment, 8 p.m., HUB assembly room.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 8

Fixed date for meetings involving Commonwealth Campus faculty.

Last date for final oral doctoral examinations for Nov. graduates.

Last date for Nov. graduates to deliver master's theses or papers to advisers.

Sports: men's fencing, varsity/alumni meet, 8 a.m.; men's cross country, vs. Kent State and Bucknell; field hockey, vs. Ohio State, 10 a.m.; football, vs. Utah State, 1:30 p.m.

Penn State Glee Club/Blue Band Concert, 7:30 p.m., Eisenhower Auditorium. Free admission.

University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

WPSX Highlights

Freedom: Then, Now, and Tomorrow, Monday, Oct. 3, at 10 p.m., explores the many images of freedom cast by the United States during its history. Narrated by actor Chris Murney, the Penn State Television program traces the history of freedom in America and looks at recent challenges to our freedoms. Included are

archive footage documenting controversies over freedom of expression, interviews with nationally known scholars and humanists, including Penn State's Robert Murray, and an epilogue by historian and author Norman A. Graebner. Dr. Graebner was project director for Penn State's statewide bicentennial project, *Freedom: Then, Now, and Tomorrow*, and Distinguished Visiting Professor of History at Penn State in 1976.

How can Pennsylvania avoid another State budget crisis? That question is the focus of *Talkabout*, Tuesday, Oct. 4, at 7:30 p.m. The 30-minute program looks at the reasons for Pennsylvania's budget crises, what other states do to avoid the problem, and alternatives for building and passing a better budget. Appearing are former state legislator Galen Dreibeis; Robert O'Connor, assistant professor of political science at Penn State; and Irwin Feller, Penn State professor of economics.

Choreographer Twyla Tharp explores the creative relationship between television technology and dance in *Making*

Sunday, Oct. 9

P.S.O.C. Hiking Division, introduction to orienteering, 9 a.m., HUB parking lot. University Chapel service, The Rev. Elmer A. Vastyan, Hershey Medical Center, 11 a.m., Music Bldg. recital hall.

Shaver's Creek Nature Center, autumn ramble, 2 p.m., Stone Valley.

Reception for William King, sculptor, 3-5 p.m., Zoller Gallery.

College of Human Development Tenth Anniversary Observance, Norman Cousins, Editor, *Saturday Review*, keynote address, 7:30 p.m., HUB ballroom. A reception follows in the HUB north lounge.

Artists Series, *Shakespeare's People*, 8:30 p.m., Eisenhower Auditorium.

Seminars

Friday, Sept. 30

History, Merritt Roe Smith, Ohio State University, on "Technology Assessment from the Slaves of a 19th Century Historian: Military Technology and the Industrial Revolution," 10:45 a.m., Applied Research Lab. Analytical Chemistry, Maurice Gross, Louis Pasteur University, Strasbourg, on "Polarography and Redox Reactivity of Porphyrins: Effects of Pi-Electron System Modification," 11:10 a.m., Room 333 Whitmore.

Monday, Oct. 3

Biochemistry/Biophysics, Frank Gurd, Indiana University, on "Allosteric Control of Hemoglobin Functions," 3:55 p.m., Room 101 Althouse.

Tuesday, Oct. 4

Biochemistry/Biophysics, Frank Gurd, Indiana University, on "Motions in Proteins Molecules," 11:10 a.m., Room 101 Althouse. Genetics, David Mbah on "Genetic Correlation," 3:55 p.m., Room 52 Frear. Inorganic Chemistry, Harry R. Allcock on "Recent Advances in Inorganic Polymer Chemistry," 8 p.m., Room 333 Whitmore.

Thursday, Oct. 6

Ceramic Science, G. J. McCarthy on "Fixation and Isolation of High Level Nuclear Wastes," 11 a.m., Room 301 Mineral Industries.

Television Dance, Tuesday, Oct. 4, at 8 p.m. The one-hour special features the premiere of a major new work, "Country Dances," in which the television production team acts in partnership with the dancers. Mikhail Baryshnikov and Tharp are also seen rehearsing "Once More Frank."

A catastrophic mistake and its long-range consequences for the state of Michigan are examined Tuesday, Oct. 4, at 9:30 p.m. on *The Poisoning of Michigan*. The program tells how a flame retardant containing the chemical PBB was accidentally packaged as an animal food supplement, poisoning thousands of cattle which were then marketed to the public. Conduct of an investigation, which took months to discover the error, and the response of the state's bureaucracy are analyzed.

Thomas Gordon's Parent Effectiveness Training (P.E.T.) theory is the focus of a parenting television course, *Parent Effectiveness*, which begins Thursday, Oct. 6, at 10 p.m. The thirteen-week series uses nine fictional families attending a dramatized class to show alternatives for successful parenting. The families illustrate their use of parenting techniques both before and after their "course." The course, part of The Pennsylvania State University of the Air, is being offered through Independent Study through Correspondence. Call 5-5403.

Plant Pathology, L. Barran and E. Schneider, Chemistry and Biology Research Institute, Ottawa, on "Development and Structure of Chlamydomonas in the Genus Fusarium," 11 a.m., Room 119 Buckhout.

Chemistry, Mildred Cohn, University of Pennsylvania, on "P³¹ NMR of Phosphoryl Transfer Enzymes," 12:45 p.m., Room 333 Whitmore.

Physics, P. K. Kabir, University of Virginia, on "Can Elementary Systems Distinguish Past the Future?" 3:50 p.m., Room 117 Osmond.

Meteorology, Fritz K. Brunner, University of New South Wales, on "Geocentric Refraction: An Interdisciplinary Research Area of Geodesy and Meteorology," 3:55 p.m., Room 112 Walker.

Friday, Oct. 7

Analytical Chemistry, George Perkins on "Direct Photolysis of Silane," 11:10 a.m., Room 333 Whitmore.

Exhibits

HUB Gallery: Bruce Schwabach, paintings, and Penn State Room exhibit, *HUB Beginnings*, through Sept. 30; Homecoming exhibit, opens Oct. 1.

Kern Commons Gallery: prints and drawings by PSU student printmakers; Walter Benson, photographs; Nancy Norton, stained glass; Stephen Gerhart, jewelry, all through Oct. 1. Michael Ondik, photographs; Les Richel, wood sculpture; Fire Prevention Week exhibit, all open Oct. 1.

Museum of Art: noon-5 p.m. daily, closed Monday. Museum tours, Sunday, 2:30 p.m. Arne Jacobsen: Danish architect and designer; William Cullen Bryant collection.

Museum of Art HUB Gallery: Esmark collection of Currier and Ives prints.

Pattee Galleries: Bob Andruilli, East Corridor Gallery. Steve Marvill, color photography, *Leading Services Lobby*.

Zoller Gallery: 8 a.m.-5 p.m. weekdays, noon-5 p.m. weekends. Art Faculty exhibition, through Oct. 3. William King, sculpture, opens Oct. 8.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been exempted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network line 475-1367). Applications for these staff vacancies will be received until 5 p.m., Oct. 6. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

AREA REPRESENTATIVE, CONTINUING EDUCATION — Pittsburgh Area Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent with two to three years of directly related experience in business, industry, or education.

SYSTEMS AND APPLICATIONS PROGRAMMER

Hershey Responsible to the Manager of Programming and Systems for translating systems analyst's designs and instructions into computer programs which control the processing of data within the computer. Bachelor's degree or equivalent and two to four years of directly related programming experience or associate degree plus four to six years of programming experience.

ASSISTANT DIRECTOR, NURSING SERVICES —

Hershey Responsible to the Associate Director, Nursing Services for planning, organizing, coordinating and evaluating activities of the nursing department to ensure that optimum nursing care is provided to all patients in accordance with hospital policies and procedures. Master's degree in nursing service administration plus two to four years of directly related experience, preferably in a teaching hospital environment.

Sept. 23 meeting

From the Trustee Docket

Gifts to University increased last year

Gifts received by the University during the year ending June 30, 1977, totaled \$6,594,614, a 14.3 percent increase over the \$5,771,188 contributed to Penn State the previous year.

The Trustees were informed that more than 27,500 gifts were received in 1976-77. Dr. Stanley O. Ikenberry, senior vice-president for development and relations, reported to the Board that alumni and friends of Penn State contributed \$2,437,012 for the year ending June 30, 1977, up 57.2 percent over the \$1,549,878 contributed the prior year.

"More and more alumni and other special friends of Penn State recognize that their support is important and that their gifts can help to keep Penn State in the top ranks among major universities," Dr. Ikenberry said.

Also in 1976-77, corporations and businesses contributed over \$2 million while foundations and organizations gave approximately \$2 million toward the \$6.5 million total. Most gifts — more than 95 percent — are restricted to special purposes specified by the donor.

Student aid and enrichment of the education programs of the Colleges are two major areas that receive support. The remaining 5 percent of undesignated contributions from alumni and friends are allocated to a limited number of special projects by the Trustees.

Investments yield 7% return

Investments of the endowment funds for The Milton S. Eshersky Medical Center and University scholarship funds yielded a current return of 7 percent during the year which ended June 30, 1977, the trustees were informed.

In a report to the Trustee Committee on Finance, Robert A. Patterson, senior vice-president for finance and operations and treasurer of the University, said the medical center endowment, with a year-end market value of \$15,312,000, produced income of \$1,054,000. The Associated Trust Fund, which consists of money supporting more than 200 University scholarships, had a market value of \$8,948,000 and netted income of \$633,000.

Seminar room named

Room 409-A in the C. R. Carpenter Building at the University Park Campus has been named the Maurice A. Mook Seminar Room in honor of Penn State's first professor of anthropology.

President Oswald noted that Dr. Mook "had special importance to the University because of his study of the Amish and other 'plain people' of Pennsylvania and because of his early influence in developing the study of anthropology at the University."

Dr. Mook presented his lecture on "Pennsylvania's Plain People" more than 200 times throughout the State. He was co-author of *Walapai Ethnography*, a book on the Walapai Indian tribe in Arizona, and author of many articles on Indian tribes, the Amish, Quaker social history, and Pennsylvania folklore.

In 1963, Dr. Mook received Penn State's Christian R. and Mary F. Lindback Award for Distinguished Teaching.

Dr. Mook died on Oct. 19, 1973, three years after he had retired as professor emeritus of anthropology.

FAA to help fund airport improvements

Two grant agreements between the University and the Federal Aviation Administration (FAA), approved last

Friday by the Board of Trustees, will provide \$511,000 for work at the University Park Airport which will improve safety conditions and security.

Ninety percent of the cost is paid by the FAA with the remaining 10 percent, or \$51,000, to be paid from funds provided to the University as gifts.

The agreements will provide for the joining of the two sections of taxiway A, security fencing around a portion of the airport perimeter, extension of the aircraft parking area, grooving of the surface of the main runway to reduce skidding danger, and the installation of a visual approach slope indicator (VASI) at the west side of the airport, similar to the one at the east end of the airport.

Also provided will be plans to clear trees at the runway approaches as required for the installation of the instrument landing system (ILS), which is expected to be completed next summer.

While the federal grants will make possible improvements that will benefit both the University and others in the community who use the airport, they will not in any way change the capacity of the main runway, which now accommodates planes up to the size of small corporate jets.

Hetzel Award changed

The Ralph Dorn Hetzel Award, established to encourage achievement among students and awarded annually to a University senior, has been changed to the Ralph Dorn Hetzel Memorial Award Fund.

Awards from the fund will recognize the achievements and potential of outstanding undergraduates who have demonstrated the qualities of responsible leadership during their college career and give promise of public spirited achievement in the future.

The award, as revised by action of the Board of Trustees, will be in the amount of \$100 and the number of awards made annually will be dependent on the earnings available from the principal of the fund. It will be made during the senior year of the recipient and is not renewable.

Recipients of the award will be selected by a committee appointed by the vice-president for student affairs, with the approval of the student aid. The award honors the late Dr. Ralph Dorn Hetzel, president of the University from 1926 until his death in 1947. It was established in 1949 with a grant of \$2,000 provided by Dr. Hetzel's widow, the late Estelle H. Hetzel. Additional contributions now may be made to the fund by interested organizations or persons.

Mineral processing section relocated

The mineral processing section in the College of Earth and Mineral Sciences has been relocated from the Department of Material Sciences to the Department of Mineral Engineering.

At the same time, Dr. Leonard G. Austin, professor of materials science, has been named chairman of the section. He succeeds Dr. Frank Aplan, who has elected to step down from the chairmanship to devote full time to research and teaching.

Dr. C. L. Hosler, dean of the college, explains that the close relationship between the mining of minerals and their processing makes it appropriate that the faculty of these two areas should be located in the same administrative unit. Other sections in the Department of Mineral Engineering are mining engineering, mineral engineering management, geomechanics, and petroleum and natural gas engineering. Dean Hosler also notes that the

educational programs in mining will be broadened by the change, and that there will be no additional costs.

The mineral processing section was created in the Department of Material Sciences in 1970. It had previously been the Department of Mineral Preparation.

The mineral processing program currently has an enrollment of 27 graduate students. No undergraduate program is offered.

Dr. Austin has a bachelor of science degree from London University and a doctor of philosophy degree in fuel technology from Penn State. He has been at the University since 1957.

He has more than 80 publications in the areas of fuels, mineral processing, and electrochemical power production, and is a fellow of the Institute of Fuel (London).

Three-two program planned with Juniata

Juniata College at Huntingdon and the University have established a three-two program of collegiate education in the liberal arts and engineering which will enable students from Juniata to qualify for appropriate dual baccalaureate degrees, normally at the end of five years.

Three years, or the equivalent, will be spent at Juniata College, studying liberal arts subjects along with pre-engineering courses with the basic sciences. Upon satisfactory completion of this part of the program, the student will spend two years, or the equivalent, at Penn State, completing specified engineering courses.

The student will enter the program at Juniata College, meeting admission requirements there. If found qualified to continue the program at Penn State, he or she will enter the College of Engineering or College of Earth and Mineral Sciences, as appropriate.

University will file to extend cable service

The University will file application for appropriate FCC licenses to extend existing Continuing Education cable television service in the Scranton/Wilkes-Barre area to other locations in Pennsylvania.

Since the beginning of 1976, Penn State has provided programming, consisting of credit and credit-free instruction as well as special interest programs for adults, to the people served by five cable systems in northeastern Pennsylvania. The system, called PENNARAMA, reaches some 30,000 homes.

The innovative programming concepts and organizational relationships with the community led to requests for service from other cable systems. As a result, several cable companies have agreed to finance the gradual development of a TV cable network that would make it possible for them to receive the programs.

Earlier this year, University officers entered into an agreement with the cable companies represented by Joe S. Gans, Inc. Mr. Gans is president of Northeast Cable TV, a subsidiary of the corporation bearing his name. Under this agreement, the University would be licensee of the facilities to be used in the network, with production, construction, and maintenance costs to be assumed by the cable companies.

Programming at present is "packaged" at University Park and shipped to the University's Worthington Scranton Campus which originates broadcasts directly into the cable systems. As the network develops, it would eventually reach University Park. Programs could then begin to originate from University Park, in addition to the continuing service originating from Scranton.

Calibration station to become storage site

The calibration station of the Applied Research Laboratory, built in 1947 at the edge of the lake at Black Moshannon State

Park, will be used by the College of Agriculture as a storage facility for a potato research project underway in that area.

The Board of Trustees authorized the continued use of the facility for the next five years. Last March the Board had authorized the sale or demolition of the building, after Applied Research Laboratory personnel said they had no further use for the facility.

The potato research project, explains Dr. Samuel H. Smith, is currently undergoing a rapid expansion of efforts to develop new potato cultivars for use in Pennsylvania. The building will be used for winter storage of potato selections grown at the potato seed farm located near the Mid-State Airport. The high elevation at Black Moshannon and the isolation from commercial agriculture provide an ideal site for clean potato seed production.

Most of the funds for the rapid expansion of this program are derived from a State Marketing Order, which assesses Pennsylvania potato growers for research funds, and from potato chip industry grants-in-aid. Dr. David R. MacKenzie, head of the potato breeding program, estimates that the authorized use of the former calibration station has saved this program approximately \$40,000 in new construction costs and speeded up the timetable of program expansion several years.

Physics options approved

The major in physics has been revised to provide three options.

New options in acoustics and physical metallurgy have been established, in addition to the standard physics program. All lead to the bachelor of science degree in the College of Science.

Dr. R. H. Good, Jr., professor and head of the Department of Physics, explains that the changes have been made to provide students with broader opportunities after their graduation, both in employment and in graduate study.

The options were developed in consultation with other University departments and without additional cost to the University.

Agreement authorized for antenna construction

The trustees authorized the signing of an application and agreement with the Corporation for Public Broadcasting for construction of a relay satellite antenna for the use of the University television station, WPSX-TV, Channel 13.

The Board of Trustees a year ago approved plans for construction of the antenna, located immediately south of the Wagner Bldg. studios of WPSX-TV.

The agreement now authorized assures the Corporation for Public Broadcasting that the University has acquired the necessary license and permits, and intends to extend its best efforts to facilitate construction.

Assurance is given also that the University will allow use of the ground station for distribution of programs by other noncommercial stations and provides that most of the maintenance and repairs are to be provided by the Corporation for Public Broadcasting. The University will have exclusive control and the ground station will be covered under the University's existing policies.

"The new system," explains David L. Phillips, director of broadcasting, "will provide up to four channels. With the ground-based network now in use, the University has access to only one program at a time."

"The additional channels will provide increased diversity of programs to member stations and viewers of the Public Broadcasting Service," he says.

Faculty hears three speakers at convocation

Following are three articles based on the addresses presented at the Sept. 28 faculty convocation.

Against the background of the "most difficult" fiscal and budgetary situation facing the University, Dr. John W. Oswald has outlined three priorities to which he hopes to devote his attention during the coming academic year. They are:

- To develop a better way to fine tune available budgetary monies to programmatic needs;
- To insure personnel policies which are clear, equitable and well understood for all Penn State employees; and
- To maximize the effectiveness of the ties between University Park and the Commonwealth Campuses.

Speaking via telephonic hook-up to all 22 Penn State campuses, the President announced that just an hour before the faculty convocation he had been informed that the House of Representatives had voted 166 to 28 to approve a budget of \$108,894,000 for Penn State. Calling this an encouraging first step, the President pointed out that the next step is the solution of the fiscal dilemma so as to assure funding. He emphasized that "the fiscal problem of the State is of the entire State and all of its programs, not just a crisis of higher education."

During this period when Penn State is forced to operate on borrowed money, the President pledged efforts to insure maximum austerity and the avoidance of permanent future commitments while at the same time attempting to meet the educational program of teaching,

"Each person who crosses a Penn State campus is an opportunity for quality," Provost Edward D. Eddy told the faculty convocation.

A concern for quality was the theme of Dr. Eddy's address, and he defined quality "as the consuming love of knowledge pursued according to the highest relevant standards and tempered by a deep caring for the human dimensions of learning."

Within a multi-purpose university, quality may exist at a variety of levels, Dr. Eddy said, noting: "In essence, it is what we say we do measured by what we actually do that determines how well we succeed. It is, then, how far we take our students as well as where we take them."

Calling integrity central to quality, Dr. Eddy said that he was more encouraged now than he had been for many years at the opportunity for quality in higher learning. Today's students, he continued, have "little of the cynicism and certainly less of the outright self-seeking of some recent generations. As a result, we have the chance to put behind us a dark period of mutual suspicion in higher education."

During the years of student rebellion, Dr. Eddy recalled, many faculty members and administrators retreated from students.

"We engaged ourselves in the transmission of knowledge and chose — sometimes out of hesitation and sometimes out of fear — to ignore a wider concern for what happens to the human beings who are involved."

"And this was as true of instruction as it was of research."

(All articles continue on page 4)

Today, more than ever before, faculty members must be sure that every academic endeavor they undertake is necessary and appropriate, University Faculty Senate Chairman Thomas E. Daubert said in an examination of issues that will come before the faculty during the next few years.

"We all must look at our academic priorities and, working in cooperation with the administration of the University, decide what is most important to Penn State to maintain a quality University in all pursuits," he said.

Dr. Daubert pointed out that the faculty, as represented by the University Faculty Senate, has primary authority over graduate and undergraduate instruction, research and continuing education programs, admissions standards, instructional courses, and graduation requirements.

For example, he noted, the Senate recently acted to strengthen policies that protect the rights of the instructor in assigning grades and in cases of academic dishonesty. In addition, some major issues that will come before the Senate this year are consideration of the role of part-time faculty and current promotion and tenure review processes.

But because the faculty is responsible for these areas, he said, it holds the added responsibility of determining which programs and courses of action should have highest priority, at a time when University goals exceed resources.

Noting that the University's long-term goals, to provide high quality instruction, research and continuing

October 6, 1977 Volume 7, Number 6

Penn State Intercom



"The Little Dinner" by sculptor William King, artist-in-residence. Details in story on page 5.

News in Brief

Cousins to speak

Norman Cousins, editor of the Saturday Review, will be the keynote speaker at the tenth anniversary celebration of the College of Human Development Oct. 9-11.

Mr. Cousins, who has been editor of the Saturday Review since 1942, will speak at 7:30 p.m. on Sunday, Oct. 9, in the HUB ballroom. His topic is "The Fragility of Civilization."

National and State leaders in the human service field are being invited to the observance, which includes a lecture series and presentation of the annual Alumni Recognition Award.

After leaving Teachers College, Columbia University, in 1936, Mr. Cousins worked as an education reporter for the New York Evening Post and joined the Saturday Review staff in 1940.

Under his editorship, the magazine has expanded its coverage from book reviews to analyses of ideas, encompassing not just the arts, but the human condition.

Using the magazine's editorial page, Mr. Cousins has launched several humanitarian projects.

Following a 1949 visit to Japan, he initiated a plan to provide care and education for some 440 children orphaned by the bombing of Hiroshima.

In 1955, he arranged for a group of young women disfigured by the bombing to come to the United States for plastic surgery and medical treatment, with support and help from interested readers and physicians.

Mr. Cousins has lectured throughout the United States and in foreign countries

— often under State Department auspices. The author of numerous books, he has served as chairman of the Pulitzer Prize jury for literature.

Library conference scheduled

The University's Library Faculty Organization, in cooperation with the College and Research Libraries Section of the Pennsylvania Library Association, is hosting a conference for academic librarians Oct. 14-15. Topics include research methodologies, proposals and grants, and breaking into print. Among the featured speakers are Michael Buckland, dean of the School of Librarianship, University of California, Berkeley, and Richard Johnson, editor of College and Research Libraries.

Penn State participants include Dr. Stuart Forth, dean of University Libraries; Dr. Richard G. Cunningham, vice president for research and graduate studies; Dr. Edward R. Johnson, assistant dean of libraries; Dr. Stuart H. Mann, professor of operations research; Dr. Keith E. Roe, associate librarian; and Dr. James J. Barnett, assistant professor of educational psychology.

The meetings will be held in Keller Bldg., and persons interested in attending should contact the conference center for further information.

Sklare lecture is Oct. 10

Marshall Sklare, professor of American Jewish Studies and sociology at Brandeis University, will give a public lecture, "Self-Segregation, Acculturation or Assimilation: The Changing Balance in the American Jewish Community," on Monday, Oct. 10.

Sponsored by the Department of

(continued on page 6)

Penn Staters

Dr. James B. Turpen, assistant professor of biology, presented an invited paper at a symposium on developmental immunobiology in Aberdeen, Scotland, last month. The symposium was sponsored by the Scottish Immunology Group of the British Society for Immunology.

Dr. Frederick M. Brown, assistant professor of psychology at Worthington Scranton, presented a paper at the 13th International Conference of the Society for Chronobiology held last month in Pavia, Italy. His topic was "Viability-rate Factors Suggested for Experimental Rodents under Altered 24-Hour Lighting Regimens."

Dr. Paul E. Bell, associate professor of education, recently presented two invited papers before the International Conference on the Practice of Teaching, sponsored by the University of Rhodesia. Dr. Bell's topics, "Competency-based Teacher Education" and "Evaluation and Growth," comprised the final plenary sessions.

Dr. William A. Steele, professor of chemistry, presented an invited paper earlier this month at an international meeting in France. He spoke at a colloquium on two dimensional adsorbed phases, sponsored by the French National Center for Scientific Research in Marseilles.

Dr. Robert E. Hauser, assistant professor of history at the McKeesport Campus, presented a paper entitled "The Ethics of Gaming" at the annual International Simulation and Gaming Association Conference in Birmingham, England.

Dr. Frank Dachille, professor of geochemistry, recently presented a paper, "Energy and Momenta of Planetary Systems," at the 40th annual meeting of the Meteorological Society at Cambridge University, England.

Donald W. Girouard, associate professor of landscape architecture, has been selected as one of four recipients for the Council of Educators in Landscape Architecture's national "Outstanding Educator" awards for 1976-77. Prof. Girouard, whose principal areas of interest are design and theory, joined the Penn State faculty in 1972. Before coming to Penn State he completed graduate work at Harvard and served as head of landscape architecture at West Virginia University. His undergraduate work was done at the University of Wisconsin.

Dr. Robert L. Cunningham, professor of soil genesis and morphology, is the 1977 winner of the teaching award sponsored by the Northeastern branch of the American Society of Agronomy. The Penn State professor was cited for initiative in establishing such experimental courses as Soils and Environmental Quality and for his effective teaching in various inter-disciplinary courses.

Dr. William W. Reynolds, assistant professor of biology at Wilkes-Barre, has been reappointed for 1977-78 to the Governing Board of the American Institute of Biological Sciences, and also to chairmanship of the AIBS Liaison Committee of the American Fisheries Society, and associate editorship of the Transactions of the American Fisheries Society.

Philip A. Klein, professor of economics, has spent the past month conferring with European government officials and economists in his capacity as principal investigator of international economic indicators with the National Bureau of Economic Research. He was accompanied by Geoffrey H. Moore, director of business cycle research at the Bureau. Among their stops was Brussels, where

they conferred with the Director-General for Economic and Financial Affairs of the European Economic Commission about future collaboration in forecasting between the EEC and the Bureau. They also visited the German Institute of Economic Development in Berlin, and Dr. Klein delivered a paper, "Forecasting Foreign Trade with Leading Indicators" in Munich at a Conference of the Center for International Research on Economic Tendency Surveys. Other stops included meetings with the Organization for Economic Cooperation and Development in Paris in connection with starting up a data bank for current monitoring of business cycle developments and with the Chamber of Commerce and Industry in Paris.

Bookshelf

Dr. Philip Young, research professor of English and a Fellow of the Institute for the Arts and Humanistic Studies, is the author of *Revolutionary Ladies*, published in September by Alfred A. Knopf. The book, an examination of the lives of several Revolutionary-era women, is described by the publisher as "the surprising true histories of some forgotten American women—all beautiful, rich, and Loyalist—whose lives were shaped by scandal and turned upside down by the War for Independence."

In Dr. Young's extensive research for the book, he uncovered a number of discrepancies in previously recorded histories. Notable is the case of Margaret Moncrieffe, a teen-aged courtesan of the day, whose *Memoirs* were actually written several years after she died.

The Greenhouse Environment, a new book by **Dr. John W. Mastalerz**, professor of floriculture, is designed as a textbook for college students considering careers in greenhouse management. Published by John Wiley and Sons, it is subtitled "The Effect of Environmental Factors on Flower Crops."

The 629-page book is the only one in the field of greenhouse crop production that is concerned with the greenhouse environment and how environmental factors influence the growth and development of flower crops. Each chapter emphasizes the influence that a particular factor has on yield and quality of plant growth—particularly on flower initiation and development.

Dr. Gerald A. Anderson, assistant professor of mathematics, is the author of *Surgery with Coefficients*, a monograph on a new branch of geometric topology. Only the third book to be published on that topic, the volume is the first to lay the foundations for the study of an older branch of mathematics called rational homology manifolds. Dr. Anderson's work, released in July, is volume 591 in the series, *Lecture Notes in Mathematics*, published by Springer-Verlag.

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, has edited a new volume of George Bernard Shaw's works, published this month by Viking Press (hardcover edition) and Penguin books (paperback edition). Entitled *The Portable Bernard Shaw*, the book is part of The Viking Portable Library.

With an introduction and notes by Dr. Weintraub, the book includes five complete plays: *The Devil's Disciple*, *Paginalion*, *In the Beginning*, *Heartbreak House* and *Shakes Versus Shaw*. In addition, there are *The Adventures of the Black Girl in her Search for God*, Shaw's major prose work, and the celebrated Don Juan in Hell Scene from *Man and Superman*.



Dr. Watrous



Dr. Fletcher

Retirements

Dr. George H. Watrous Jr., an expert in the marketing and processing of dairy products, retired Oct. 1 as professor emeritus of food science after 33 years on the faculty.

A native of Elmira, N.Y., Dr. Watrous enrolled in 1937 at the New York State School of Agriculture, then transferred to Penn State where he qualified for his B.S. in dairy husbandry in 1942. His M.S. and Ph.D. degrees with majors in dairy manufacturing also were conferred by Penn State in 1947 and 1951, respectively.

Dr. Watrous worked in industry before becoming an instructor of dairy manufacturing at Penn State in 1944. At the University, he was in charge of quality control of all of the University's dairy products manufactured at the Creamery. He managed the Creamery from 1955 to 1966.

Dr. James L. Gobble, after 31 years of service to the University, retired on Aug. 1 as associate professor of animal science. Dr. Gobble completed his undergraduate work in animal husbandry at Purdue and his M.S., also in animal husbandry, at the University of Illinois. He earned his doctorate in animal production at Penn State in 1955.

From 1946 to 1965, Dr. Gobble was in charge of the swine facilities of the University, and he was largely responsible for planning the Swine Research Center. His most recent research has been concerned with the regulation of feed intake and feeding behavior in growing swine, effects of energy intake during lactation on reproductive performance of sows, feeding and management of growing-finishing swine for improved efficiency, metabolic regulation of growth development, and body composition in the very young pig.

Obituary

Frederick Y. Borden, professor of forest resources and a member of the University's faculty since 1957, died Aug. 29 at the age of 47. Dr. Borden held B.S. and M.S. degrees from Cornell University and earned his Ph.D. at Penn State in 1960. Working through the University's Office for Remote Sensing of Earth Resources, he helped develop a computer system now in use in six countries to analyze data from earth satellites. He also established a cooperative park studies unit at the University in cooperation with the U.S. National Park Service and did several studies of recreational carrying capacity in the national parks.

Dr. Peter W. Fletcher, professor of forestry, retired with emeritus rank on Oct. 1.

A 1933 graduate of Penn State with a B.S. in forestry, he received his M.F. from Yale University and a Ph.D. from the University of Missouri.

Dr. Fletcher, who served from 1959 to 1966 as director of the School of Forest Resources, joined the Penn State faculty in 1959. Earlier he had served 11 years on the forestry faculty of the University of Missouri and 11 years with the U.S. Forest Service.

His father, the late Dr. Stevenson W. Fletcher, was dean of the College of Agriculture at Penn State from 1939 to 1946.

Dr. Fletcher's research interests have centered on forest soils and site quality, first for timber growth, then for water supplies, and finally for outdoor recreation. His most recent research dealt with Pine Creek in northcentral Pennsylvania as a potential addition to the Pennsylvania system of Scenic Rivers and the national system of Wild and Scenic Rivers.

Dr. Mary E. Sanders, professor of botany at Mont Alto, retired on Sept. 1 after more than a decade on the faculty. She joined the Mont Alto faculty as an assistant professor in 1965. Previously, she held positions at the Carnegie Institution, Cold Spring Harbor, L.I.; All Saints College, Sioux Falls, S.D.; Connecticut College; Smith College; Mount Holyoke College; Yale University; University of Wisconsin; Northwestern University; South Dakota State University; and the Arnold Arboretum of Harvard University.

A specialist in plant genetics and development, she has been active in University affairs, serving on several Mont Alto committees and chairing the Campus's Hearing Board. A graduate of Mount Holyoke, Dr. Sanders has an M.S. from Cornell and a Ph.D. from Smith.

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University Park Calendar

Oct. 6 — 16

Special Events

Thursday, Oct. 6

Food Service and Housing Administration, "Three Plates at President Washington's Table," an evening meal, 5:30 p.m., Maple Room, Henderson.
University Theatre, Arthur Miller, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Friday, Oct. 7

Fixed date for meetings involving Commonwealth Campus faculty.
Homecoming Alumni Tea, 4:45 p.m., Room 101 Kern.
Terrace Room Homecoming Candlelight Dinner, with Phi Mu Alpha's Dividend and German bands, 4:45-7 p.m., HUB.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 8

Fixed date for meetings involving Commonwealth Campus faculty.
Last date for final oral doctoral examinations for Nov. graduates.

Last date for Nov. graduates to deliver master's theses or papers to advisers.
Sports: men's fencing, varsity/alumni meet, 8 a.m.; men's cross country, vs. Kent State and Bucknell; field hockey, vs. Ohio State, 10 a.m.; football, vs. Utah State, 1:30 p.m.
Terrace Room Homecoming Candlelight Dinner, with dinner music provided by the Rio Group, 4:45-7 p.m., HUB.
Penn State Faculty Club Football Buffet, 6-9 p.m., Faculty Club.
Penn State Clee Club and Blue Band free concert, 7:30 p.m., Eisenhower Auditorium.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Sunday, Oct. 9

P.S.O.C. Hiking Division, introduction to orienteering, 9 a.m., HUB parking lot.
University Chapel service, The Rev. Elmer A. Vastyan, Hershey Medical Center, 11 a.m., Music Bldg. recital hall.
Shaver's Creek Nature Center, autumn ramble, 2 p.m., Stone Valley.
William King, sculptor, reception, 3-5 p.m., Zoller Gallery.
College of Human Development Tenth Anniversary Keynote Address, Norman Cousins, editor, *Saturday Review*, on "Fragility of Civilization," 7:30 p.m., HUB ballroom.
A reception follows in the HUB north lounge.
Artists Series, *Shakespeare's People*, 8:30 p.m., Eisenhower Auditorium.

Monday, Oct. 10

College of Human Development Tenth Anniversary Observance, Jerome Kagan, Harvard University, on "Infant Development: A Multi-disciplinary Perspective," 9 a.m., HUB assembly hall; David Hamburg, National Academy of Sciences, Washington, D.C., on "Development in Health: the Interplay of Biological and Social Factors," 12 noon, luncheon meeting, HUB ballroom; Monrad Paulsen, Cardozo School of Law, Yeshiva University, 2 p.m., HUB assembly hall; Norman Kretschmer, The International Organization for the Study of Human Development and The National Institute of Child Health and Human Development, on "Human Development: A Biomedical Perspective," 7 p.m., HUB assembly hall.

E.A. Day Memorial Lecture in Food Science

Andrew A. Benson, Scripps Institution of Oceanography, on "Oceanic Food Chains and Challenges," 11 a.m., Room 112 Kern.
Department of Religious Studies, Marshall Sklare, Brandeis University, on "Self-Segregation, Acculturation or Assimilation: The Changing Balance in the American Jewish Community," 2:30 p.m., Room 101 Kern.

Shakespeare film, *Macbeth* (Schaefer/Evans), 6:30 p.m., Room 101 Chambers. Free admission.

Robert Trehy, baritone, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Oct. 11

College of Human Development Tenth Anniversary Observance. René Jules Dubos, Rockefeller University, on "Environment, Choices and Human Development," 1:30 p.m., HUB ballroom. Alumni Recognition



Award Presentation follows Dr. Dubos's lecture. Alumni Recognition reception, 3:30 p.m. Living Center, Henderson.
Comp. Lit. luncheon, 12:15 p.m.; talk, 1 p.m., Room 1 Faculty Club. Robert Schmalz on "Atlantis," 2 p.m.
Sports: field hockey, vs. Cortland, 2:30 p.m. University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Wednesday, Oct. 12

Art Department/IAHS Lecture. William King on contemporary sculpture, 7 p.m., Room 102 Forum.
G.S.A. Commonsplace Theatre, *Lost Weekend*, 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 13

Faculty Women's Club, A Morning at the Art Museum, 10 a.m., Museum of Art.
IAHS Lecture. Philip Radcliffe, University of Manchester, on "TV. Culture with a Capital C?" 8 p.m., Room 112 Kern.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Friday, Oct. 14

Sports: soccer, vs. Maryland, 7 p.m. Folk and square dance roundup, 7:30 p.m., Room 133 White.
Shaver's Creek Nature Center, Stars, Myths and Legends, 8 p.m., Stone Valley.
University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Jill Olson, piano, 8:30 p.m., Music Bldg. recital hall.
Penn State Faculty Club fall dance, "The Hobgoblin Hop," 9 p.m., Faculty Club.

Saturday, Oct. 15

P.S.O.C. Hiking Division, overnight foraging trip, through Sunday.
Shaver's Creek Nature Center, Adventure Series, children 7 and older, registration necessary—865-1851, 10 a.m.-3 p.m., Stone Valley.
Sports: men's cross country, Penn State Open; women's cross country, vs. Michigan State; women's golf, EAIAW Championships; field hockey, vs. East Stroudsburg, 2 p.m.; women's volleyball, vs. Robert Morris, 3 p.m. University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.
Artists Series. National Theatre of the Deaf, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 16

P.S.O.C. Hiking Division, famous flaming fall foliage hike in Thickseed Mountain wild area, 9 a.m., HUB parking lot.
University Chapel service, Stanley O. Ikenberry, senior vice president for University development and relations, 11 a.m., Eisenhower Chapel.
Sports: women's golf, EAIAW Championships. Shaver's Creek Nature Center, Old Time Pioneer Crafts Festival, noon-5 p.m., Stone Valley.

Seminars

Friday, Oct. 7

Analytical Chemistry, George Perkins on "Direct Photolysis of Sulfate," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Julian Hecklen on "The Gas-Phase Oxidation of Simple Aldehydes," 4 p.m., Room 333 Whitmore.

Monday, Oct. 10

Biochemistry/Biophysics, Martyn Bailey, George Washington School of Medicine, on "Lipid Metabolism in Cultured Cells," 3:55 p.m., Room 101 Althouse.

Tuesday, Oct. 11

Ceramic Science, Cliff Ballard, Sandia Labs, on "Glass-Ceramic to Metal Seals," 11 a.m., Room 301 M.I.
Biochemistry/Biophysics, Martyn Bailey, George Washington School of Medicine, on "Essential Fatty Acids, Prostaglandins, and Atherosclerosis," 11:10 a.m., Room 101 Althouse.
Air Pollution Control, Franklin Flower, Cooke College, Rutgers, on "Land Fill Gases," 2:20 p.m., Room 140 Fenske.

Genetics, William E. Mercer on "Regulation of Proliferation in Transformed and Non-transformed Mammalian Cells," 3:55 p.m., Room S2 Frear.

Engineering Science and Mechanics/Bioengineering Program, George C. Lee, National Science Foundation, on "Structural Mechanics of Lungs," 4 p.m., Room 232 Hammond.

Organic Chemistry, William P. Weber, University of Southern California, on "Synthesis of Arene Oxides," 8 p.m., Room 333 Whitmore.

Wednesday, Oct. 12

Fuel Science, Ulrich Bonne, Honeywell Corporate Research Center, Bloomington, Mn., on "The Performance of Heating Systems," 4 p.m., Room 301 Mineral Industries.

Thursday, Oct. 13

Agronomy, Karl Shaffer on "Nitrate-Nitrogen and Cadmium Movement with Water through a Saturated Soil," 9:35 a.m., Room 111 Tyson.

Chemistry, W. H. Flygare, University of Illinois, on "Studies of Molecular Rotational Relaxation by Transient Effects in Microwave Spectroscopy," 12:45 p.m., Room 333 Whitmore.

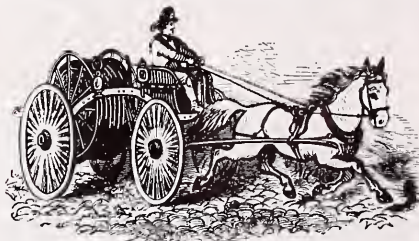
Electrical Engineering, David D. Rupprecht, Hewlett Packard, on "LSI (Large Scale Integration) at Hewlett Packard: A Growing Part of Vertical Integration," 2:20 p.m., Room 115 EE West.

Physics, M. J. G. Lee, University of Toronto, on "A New Effect in Photo-Induced Field Emission," 3:50 p.m., Room 117 Osmond.

Microbiology and Cell Biology, Robert H. Rothman, Brookhaven National Laboratory, on "Repair of UV Damage in Recombination Deficient *E. coli*," 4 p.m., Room S2 Frear.
Philosophy, Henry W. Johnstone, Jr. on "Odysseus as a Traveler: A Categorical Study," 4 p.m., Room 214 Willard.

Friday, Oct. 14

Analytical Chemistry, Bill Milne, NIH, Bethesda, on "The NIH-EPA Chemical Information System," 11:10 a.m., Room 333 Whitmore.



Exhibits

Chambers Gallery: Janet Tracy, prints and collages; R. H. Grinstead, collages, through Oct. 12.
HUB Gallery: Homecoming exhibit, through Oct. 15.
Kern Commons Gallery: National Fire Prevention Week exhibit; Michael Ondik, photographs; Les Rishel, wood sculpture, all through Oct. 15. Pennsylvania Guild of Craftsmen exhibit, opens Oct. 15.
Museum of Art: Arne Jacobsen, Danish architecture and designer; William Cullen Bryant collection.

chitect and designer; William Cullen Bryant collection.

Museum of Art HUB Gallery: Esmark collection of Currier and Ives prints.

Pattee Galleries: Humphrey Repton, English Gardens, from the Rare Books Room, Main Lobby; Bob Andriuli, recent work, East Corridor Gallery, through Oct. 10; Steve Marxill, color photography, Lending Services Lobby, through Oct. 10.

Zoller Gallery: William King, sculpture, opens Oct. 8.

WPSX Highlights

Images of Aging, an eight-part anthology reflecting attitudes towards aging and the role of older citizens in American society, returns Sunday, Oct. 9, at 1 p.m.

VTR, beginning Sunday, Oct. 9, at 2 p.m., is a new series of six experimental video programs from the Television Laboratory at WNET, New York. Among the artists represented on the series are William Wegman (and his dog Man Ray), Arthur and Allen Ginsberg, Ed Emshwiller, and Elliot Noyes Jr.

Short stories representing 100 years of American writing are dramatized on **The American Short Story** which returns to Channel 3 Sunday, Oct. 9, at 11 p.m. The six-part series begins with F. Scott Fitzgerald's "Bernice Bobs Her Hair" and Sherwood Anderson's "I'm a Fool."

Visions, another popular dramatic series, returns on Monday, Oct. 10, at 9 p.m. with a collection of new productions. **Visions** is designed to introduce new playwrights who write especially for television. The new season begins with "Iowa," the story of a three-generation family reunion, written by Murray Mednick.

Sophia Loren and Marcello Mastroianni will be the first two guests on the premiere week of **The Dick Cavett Show** which begins Monday, Oct. 10, at 11 p.m. On Tuesday, Mr. Cavett talks with dancer Rudolf Nureyev; on Wednesday, with comedians Harry and Jimmy Ritz; on Thursday, with architect Philip Johnson; and on Friday, his guest is singer-composer Carly Simon. The series is seen immediately before **The Captioned**

(Continued on page 5)

Dr. Oswald

(Continued from page 1)

research and service with as minimal an adverse effect on quality as is humanly possible.

"I am confident," he added, "that the fiscal dilemma will be resolved, but I cannot stress strongly enough the need for early action because the interest we are paying mounts daily."

"It is important to emphasize, however, that this is not just a Penn State problem," Dr. Oswald continued, "but one of all the State-aided and State-related institutions and indeed of some 78 private institutions which receive Institutional Assistance Grants based on the number of PHEA students they enroll. I assure you that there is a strong, cooperative solidarity among all of higher education in the State as we work toward a solution."

Some in his audience, the President said, might be unaware of the magnitude of the scope of higher education in Pennsylvania. About 119 institutions enroll nearly 400,000 students and employ almost 99,000 full-time faculty and staff.

They spend \$130 million annually on research—much of it at Penn State—and collectively these institutions withhold about \$93 million in State and local taxes.

Dr. Oswald said he believed that there is less questioning of the value of higher education today than of how to keep it vital amidst a great variety of other competing needs.

"These are not easy fiscal times for our State or other states," he said, "as they strive to meet the ever escalating expectations of citizens for services, be they basic education, higher education, health care delivery, social welfare, care of the aged, transportation, and the like."

For the future, Dr. Oswald said, "We must discover and activate ways and means to keep this great University vital and responsive in a period of leveling of growth both in number of students and faculty support."

Accordingly, planning for more effective budgeting will be a high priority item for him next year, the President reported, adding: "We must fine tune the budgetary dollars that are available to our programmatic needs and at the same time conceive planning extending beyond the

present year."

Turning to academic personnel policies and PS-23 (the Promotion and Tenure Review Process), the President told his listeners: "At any time, and especially during a period of fiscal stringency and uncertainty, it is critical that the tenure and promotion policy has continuity and stability, but at the same time we must recognize the need for continuing review."

"But there are other personnel policies that are very important. In some areas of this University, there is a void that needs to be cared for. I am very aware that there are a number of non-tenure appointments, i.e., fixed-term appointments, instructors and research assistants and others for whom we do not have clearly articulated policies which spell out due process, peer review and other factors. It is very important that we work on these with appropriate faculty groups."

Finally, the President voiced his intention to maximize the effectiveness of ties between University Park and the Commonwealth Campuses.

"For students, we have a unique and

remarkably effective network," he pointed out. "We truly do have one University program geographically dispersed. But this kind of system is not so easy in the case of the faculty. There are some 800 or 900 faculty residing on the Campuses, who, by the nature of the organization, have, if you will, dual loyalties and responsibilities to their Campus on the one hand and to an academic discipline through a department or College at University Park on the other. With one such a system there are bound to be tensions. Our task is to make them healthy and creative tensions."

"You are all aware that we have in the past looked at basic changes which might be helpful in this regard, such as the possibility of developing a University College or special departments recognizing this dual role. For my part, I plan to work with the appropriate groups to try and develop the best possible policies. We must constantly strive to keep this unique but complex system working at its best. I pledge to give whatever leadership I can in developing this as a priority item during the year ahead."

Dr. Eddy

(Continued from page 1)

This attitude, according to the Provost, "encouraged a culture of cheating in higher education—in the classroom, in the laboratory, and, perhaps most tragically, in the individual who fails to recognize his or her own possibilities."

Such academic dishonesty, he continued, "subverts any quest for quality and has no place on a campus devoted to the pursuit and promulgation of truth."

Faculty members, Dr. Eddy noted, have some catching-up to do. Today's students may be ready "for more than we are prepared to offer, but, with a bit of encouragement, we could join together in a new rebellion of rising expectations."

Reporting that he believed there is now a genuine desire for excellence among students, Dr. Eddy added:

"It will serve no good or useful purpose if we smother that concern in the belief

that quality somehow is dependent solely on the supply of money—for facilities, for staffing, for ourselves. Indeed, a time of limited resources may have at least one benefit—it forces hidden assumptions out into the open. No longer can we think that more and more means better and better and that quality surely arrives with the next building, the added appointment, the added appropriation, the new grant."

"Quality is a state of mind, not a condition. It is the belief that each of us is capable of a higher level of performance regardless of the condition. Quality is the consuming love of knowledge—and the excitement which comes from discovery and from beholding the beauty of the acquisition of new ideas. And it is both infectious and contagious."

Dr. Eddy called on faculty members to reexamine their priorities, to ask what they really expect from their students and themselves and whether their expectations are big and bold enough.

"If higher education is to develop social responsibility while it disciplines the mind," he said, "if it is to provide guidance for the uses as well as the production of knowledge, if it is to yield wisdom and not only information, then we need a new rationale for thinking about and attaining these goals."

"Quality in higher learning isn't pursued through longer classes and heavier assignments. That's an uninspired route. I like to think that it is attained through mutual respect and mutually accepted levels of expectations, and from the affirmations and judgments which flow therefrom."

"We must expect the best, we must require the best, and we must be content only when each student is dissatisfied with less than the best."

Faculty can contribute to their students' quest for quality by demonstrating in their teaching and in their lives a genuine concern for higher expectations. Value awareness and analysis lie at the core of all

higher learning, Dr. Eddy stressed.

"I am trying to say," he continued, "that education must help all of us to identify the commitments by which we live and make our choices. A critical awareness of our values reveals where we really stand, what we truly cherish and what our standards actually are."

"Higher education gives us the opportunity to help students understand what it truly can mean to be a human being—and not just one more engineer, scientist or humanist cluttering up the job market."

Noting that since he came to Penn State in August he had been deeply impressed by the commitment of the faculty, Dr. Eddy concluded:

"That's a tremendous first step toward the acceptance of integrity as the basis of quality. From that base we can move easily to a consuming concern for both truth and for people."

"And that, I contend, is higher learning at its very finest."

Dr. Daubert

(Continued from page 1)

education, remain consistent, he added that specific educational needs change as society changes. Because of that, he said, faculty must continually "reevaluate and adjust all of our programs."

Dr. Daubert listed four major issues in undergraduate education which have been, or are currently being, discussed by the Senate, and he posed questions about the academic priorities implicit in each issue.

On the subject of baccalaureate degree requirements, currently under consideration by a special Senate committee, he said faculty need to decide what areas are essential to develop the general capability of every student.

Furthermore, he said, faculty should determine how, in the context of each program, degree requirements can best be met, either through coursework or other kinds of experience.

A second issue, admissions standards, came before the Senate last spring, when revised general policies on requirements for admission to, and transfer between, Colleges and programs were passed. With the new legislation, Dr. Daubert said, each College and program has the option of setting its standards above a fixed minimum.

"Faculties and administrators will have to consider their academic priorities in

balancing the number and quality of students admitted to programs with the total resources available," he said.

The third major policy area Dr. Daubert discussed was minimum student retention and graduation standards, which are set by Senate policy. He pointed out that a policy on retention of students in degree programs, recently passed by the Senate, allows faculty within each program to raise their retention standards if they feel they must do so.

An important question which should be asked in setting standards, he continued, is whether students should have to demonstrate some level of competency upon completion of the program.

The fourth and final issue Dr. Daubert raised was the establishment of new courses and programs. He cautioned that faculty must be more diligent in weeding out courses and programs that are not absolutely necessary or that duplicate each other.

Dr. Daubert concluded with a plea to the faculty to remember the importance of their role in determining the University's future strength.

"It is important for the Senate and the faculty of each College and program to act wisely and promptly on setting their respective academic priorities in instruction, research and public service areas. Otherwise decisions tend to be reactive and are made hastily to solve specific problems," he said.

New appointments to the faculty

Linda A. Craighead as assistant professor of education at University Park. B.A., Vanderbilt U.; M.S., Ph.D., Penn State. Formerly U.S. Public Health Service Fellow; clinical psychologist, Williamsport Hospital.

Timothy J. DeYoung as assistant professor of political science at Behrend College. B.A., Chapman College; M.A., Ph.D., Claremont Graduate School. Formerly with Peace Corps, Nepal.

Frank M. Downing as instructor in health and physical education and academic athletic advisor at University Park. A.B., Lafayette College; M.A., U. of Miami; Ed.D., Memphis State U. Formerly academic athletic advisor, U. of Kentucky; assistant advisor, Memphis State; high school teacher and football coach.

Pamela A. Miller as assistant professor of English at University Park. B.A., M.A., Penn State; Ph.D., U. of Texas at Austin. Formerly assistant professor, Slippery Rock State College.

Philip J. Morris as assistant professor of aerospace engineering at University Park. B.Sc., M.Sc., Ph.D., U. of Southampton, England. Formerly research/design development, Lockheed-Georgia Co.

Patricia J. Morton as head, cataloging, assistant librarian at Hershey. B.A., M.S.L.S., U. of Kentucky. Formerly acquisitions librarian, Edinboro State College; medical librarian, St. Vincent Health Center, Erie.

Lawrence W. Rosenfield as professor of speech communication at University Park. B.A., Cornell U.; M.A., U. of Illinois; Ph.D., Cornell. Formerly professor, U. of Wisconsin and Hunter College.

Anne H. Rowley as assistant professor of English at Behrend College. B.A., Lake Erie College; M.A., Ph.D., Case Western Reserve U. Formerly assistant professor, director of freshman English, Case Western Reserve.

Paul T. Sindelar as assistant professor of education at University Park. A.B., Dartmouth College; M.S., U. of Illinois; Ph.D., U. of Minnesota.

Rene B. Steffenmeier as assistant professor of sociology at Altoona. B.A., Rockford College; M.A., Ph.D., U. of Iowa. Formerly instructor, North Carolina State U.

Emily J. Toth as assistant professor of English at University Park. B.A., Swarthmore College; M.A., Ph.D., Johns Hopkins U. Formerly assistant professor, U. of North Dakota.

Nancy J. Treat as assistant professor of human development at Fayette. A.B., M.A., Ph.D., West Virginia U.

Mark D. Widome as assistant professor of pediatrics at Hershey. B.A., U. of Pennsylvania; M.D., Jefferson Medical College. Pediatric resident, Childrens Hospital of Pittsburgh; Public Health Fellowship, Johns Hopkins.

Arts Roundup



Arts critic is visiting fellow

Philip Radcliffe, head of Communications at the University of Manchester and music and theatre critic for two London papers, the Daily Mail and The Sunday Times, will be at University Park Oct. 12-18 as a visiting fellow in the Colleges of Arts and Architecture and Liberal Arts. His visit is being sponsored by the University's Institute for the Arts and Humanistic Studies.

During his week's residency, Mr. Radcliffe will present several public talks. A lecture, "TV: Culture with a Capital C," is scheduled for 8 p.m. on Thursday, Oct. 13, in Room 112 Kern Bldg. At 12:45 p.m. on Friday, Oct. 14, in the Playhouse Theatre, Mr. Radcliffe will talk in an open session with students in advanced theatre and journalism classes on the topic "Criticism at Large." At 10:30 a.m. on Tuesday, Oct. 18, he will meet informally with students and other interested persons in the Playhouse Theatre, and that same day at 12:15 he will address the Comparative Literature Luncheon at the Faculty Club on the topic "Media and Development."

After graduating from the University of Sheffield in 1953, Mr. Radcliffe served with the Royal Navy and the British Intelligence Corps, and was trained at Cambridge University as a Russian interpreter.

His journalism experience includes positions with the Bolton Evening News, The Manchester Guardian, The Times Literary Supplement, John O'London's, and the Daily Telegraph, as well as The Sunday Times and the Daily Mail. In addition he spent six years at the BBC working in news, current affairs and documentaries.

Mr. Radcliffe joined the University of Manchester in 1969. He assisted in the development of the Mass Media in Britain course that is run at Manchester each spring for Penn State study-abroad students.

Mr. Radcliffe previously visited the University as a guest lecturer in 1972 and 1975.

Artist to lecture

Sculptor William King, who will visit the University Oct. 9-14 as artist-in-residence in the Department of Art, will present a free public slide lecture on his work at 7 p.m. on Monday, Oct. 12 in Room 202 Forum Bldg.

An exhibition of Mr. King's work will be shown in Zoller Gallery Oct. 8-21, with a public reception in honor of the artist in the Gallery from 3-5 p.m. on Sunday, Oct. 9.

Mr. King is best known for his sculptures of human figures. He has worked in a wide range of media, including fabric, bronze, plaster and wood. His most recent pieces are of sheet aluminum.

A Florida native, Mr. King studied engineering and architecture before turning to sculpture. He graduated from the Cooper Union Art School and attended the Accademia dei Belle Arti in Rome on a Fulbright grant.

His teaching experience includes appointments at the Brooklyn Art Museum School, the University of California at Berkeley, the Art Students League, the University of Pennsylvania

and the State Universities of New York at Potsdam, Fredonia and New Paltz.

Mr. King's visit is sponsored by the Institute for the Arts and Humanistic Studies.

Chamber group to play

Musica da Camera, the University's chamber orchestra, will present a concert at 8:30 p.m. on Wednesday, Oct. 12, in the Music Building recital hall.

Dr. D. Douglas Miller, associate professor of music, conducts the group. The program will open with Overture Number 3, BWV 1068, one of three overtures by J. S. Bach. The baroque piece will be followed by a contemporary work, *Viere Kleine Stücke für Streichorchester* (Four Pieces for String Orchestra) by Karel Husa. Husa, who has won a Pulitzer Prize in composition, is Czech-born but has spent the past 20 years on the faculty of Cornell University.

The evening will conclude with Franz Schubert's Symphony No. 5 in B-flat major.



Trehy offers recital

Robert Trehy, baritone, will present the first of three recitals devoted to the songs of Franz Schubert, at 8:30 p.m. on Monday, Oct. 10, in the Music Building recital hall. He will be accompanied by pianist John Wustman.

This is the 150th anniversary of Schubert's death, according to Mr. Trehy, who will perform eight songs set to poems by Goethe and the famous *Schwanengesang*, 14 songs that were the composer's last works.

Mr. Wustman, whose appearance with Mr. Trehy is supported by a grant from the Institute for the Arts and Humanistic Studies, is a professor of music at the University of Illinois.

Wind ensemble concert

The Penn State Symphonic Wind Ensemble, under the direction of Smith Toulson, associate professor of music, will present its first concert of the season at 8:30 p.m. on Friday, Oct. 7, in the Music Building recital hall.

Highlighting the program will be works featuring the percussion and flute sections of the ensemble. Included are Michael Colgrass's *Concerto for Timpani with Brass and Percussion*, Eugene Bozza's *Jour et la nuit*, Maurice Strakosky's *Overture for Dimitri Shostakovich*, *Tritico for Symphonic Band* by Václav Nelhybel, and *Jericho*, a tone poem by Morton Gould.

Wood-carver exhibiting

Wood carvings by Lester E. Rishel, a research assistant in forestry at the University, are on exhibit in the Kern Commons Gallery through Saturday, Oct. 15.

Mr. Rishel, who lives in Bellefonte, is a self-taught wood-carver and has been a carpenter and a teacher of carpentry. Six years ago he began wood carving seriously and since last September has included chainsaw carving in his work. He has demonstrated, as an artist-in-action, at the Central Pennsylvania Festival of the Arts, the Ag Progress Days, and the State show of the Pennsylvania Guild of Craftsman.



Looking over the music for their joint concert are (from left): Phil Carles, Blue Band; Pat Hauch, Glee Club; Dr. Ned C. Deihl, Blue Band director; W. Bruce Trinkle, Glee Club director; Jill Kimberly and Steve Bell, Glee Club; and Ed Ober, Blue Band.

Blue Band, Glee Club to perform jointly for Homecoming

For the first time in its history, the marching Blue Band will perform indoors on Saturday, Oct. 8, at 7:30 p.m. joint concert with the University Glee Club. The concert, to take place at Eisenhower Auditorium, will be part of Homecoming weekend festivities.

According to Dr. Ned C. Deihl, director of the Blue Band, this will be the first indoor performance for the marching Blue Band, although the concert Blue Band regularly presents a spring concert.

The Glee Club, which will perform first, will sing Handel's "Hallelujah, Amen," followed by a group of Pennsylvania folksongs and songs by Pennsylvania composers. The program will include some new arrangements of songs from the Bicentennial Wagon Train Show.

In addition, the Glee Club selections will include "I Want More Religion," a Pennsylvania spiritual collected by folklorist Samuel Bayard, professor emeritus of English and comparative

literature. The arrangement for male voices, done by Glee Club director W. Bruce Trinkle, will feature a tenor solo by David Hudson, assistant director of the Glee Club.

Following the Glee Club selections, there will be a performance of English folksongs by the Hi-Lo's.

The Blue Band's portion of the program will include a number of school songs and other old favorites regularly performed at the football games. There will also be pop and rock selections, and the Penn State majorettes and flag corps, with star twirler Lori Donaldson, will perform.

To conclude the show, the Glee Club and Blue Band will present the premiere performance of the new Nittany Lion fight song, "Roar Lion Roar," which was written by State College area band director Richard Victor. The song won a fight song competition sponsored by the Homecoming Committee last spring.

Funding Sources

For further information, call 865-1372

(287-2) The President's Commission on White House Fellowships announces a Dec. 1 closing date for the 1978-79 Fellowship competition. (Ref. ibid announcement)

(287-3) The National Science Foundation is accepting applications for the 1977-78 Chantawaka-Type Short Courses for College Teachers. There are 15 field centers, 5 in the East among which is Penn State (E. W. Biederman, 865-7557). A variety of courses (10 at PSU) are offered. Apply ASAP; 2-4 weeks are needed for selections. Course dates range from Oct. 20 to March 30. (Ref. NSF announcement)

(287-4) 1977-78 Grants for Research in Biomedical and Industrial Instrumentation will be funded by Technicon Instruments Corporation. Preliminary application information is needed as soon as possible; a final proposal deadline of Dec. 16, 1977 has been established. Awards have ranged from \$10,000 to over \$95,000. Contact Dr. Morris H. Shamos, 914-631-8000 (x2195). (Ref. Technicon announcement)

(287-5) NEH Summer Seminars for 1978 have an Oct 17 application deadline. Applicants (limit of 3) must be nominated by their employing institutions. (Ref. NEH memo)

(287-6) Grant applications for FY 1978 funds under Title I of the Higher Education Act of 1965 for Continuing Education and Community Service are due Nov. 1. FY 1978 priorities are: adult counseling, improvement of local government, and educational needs for the voluntary sector. Instructions and guidelines and preliminary review of project ideas are available through G. A. Speerly, Jr. or J. W. Jacobs at 865-0453 (501 Keller). (Ref. F.B.F. Memo)

WPSX

(Continued from page 3)

ABC Evening News, and each program is repeated the following weekday at 3 p.m. Nuclear power is the subject of two special programs to be seen Oct. 12 and 13. On Wednesday at 8 p.m., Nova presents a repeat broadcast of "Incident at Brown's

Fellowships (77-19) — For further information inquire at 317 Kern, 865-2514

(288-2) American Antiquarian Society — Feb. 1

(288-3) CIES — faculty abroad — now

(288-4) NIH postdoctoral Biomedical Sweden/Switzerland — Jan. 1

(288-5) National Safety Council — doctoral dissertation — Dec. 15

(288-6) German Academic Exchange Service — bachelor's degree — postdoc — dissertation — ag — language — Nov. 1-Jan. 31

(288-7) Danforth Foundation — graduate records examination needed — Nov. 9 next date

(289-1) The HEW Office of Education announces a Nov. 15 closing date for several bilingual education programs; initial and continuing awards for basic programs, training programs, support services, fellowship programs and continuation awards for technical assistance. (Ref. 42FR 46409, 9/15/77) (CFA 13.403)

(289-2) The development, continuation, and expansion of Metric Education Projects is supported by the Office of Education. Two Penn State awards have been obtained (824K7976, 827SK 1977 — Szabo — Education). Institutions are not limited in the number of awards. The next application deadline is Dec. 12. (Ref. 42FR46554, 9/15/77) (CFA 13.561)

(289-3) The Office of Education Consumer Education Program has a Dec. 16 deadline for its third program for FY1978 awards. (Ref. 42FR46557, 9/15/77) (CFA 13.561)

(289-4) NSF announces a Nov. 1 deadline date for its US-France Exchange of Scientists program. The NSF Division of International Programs (IDN) also supports exchange programs with Australia, Latin America, China, India, Italy, Japan, East Europe, USSR, New Zealand, and Israel. These programs are to promote communication, research cooperation, and U.S. participation in scientific meetings. (Ref. U.S.-F. brochure, CFA, 47/014)

Ferry." The hour-long documentary examines the circumstances surrounding the country's worst nuclear reactor accident. On Thursday at 9 p.m., The Advocates presents both sides of the nuclear power controversy. In a revival of an earlier public television debate format, the program asks the question: "Should there be a moratorium on nuclear power plant construction?"

News in brief

(Continued from page 1)

Religious Studies, the lecture will be presented from 2:30 to 4 p.m. in Room 101 Kern Bldg.

Dr. Sklare specializes in the study of racial, ethnic and religious groups, with particular emphasis on the sociology of the American Jew. He was formerly professor of sociology at Yeshiva University and has served as a visiting professor at Hebrew University, the Princeton Theological Seminary and Clark University.

Dr. Sklare is probably best known for his book, *Conservative Judaism: An American Religious Movement*. His most recent books are *The Jew in American Society* and *The Jewish Community in America*. Another of his volumes, *America's Jews*, is widely used as an introduction to the sociology of American Judaism.

His M.A. was granted by the University of Chicago and his Ph.D. by Columbia University.

Saubel presented alumni award

A retired faculty member deeply concerned for the welfare of her students is the 1977 recipient of the Alumni Recognition Award of the College of Human Development.

Evelyn R. Saubel, who retired July 1, 1976, as assistant professor of general family studies, will receive the award Tuesday, Oct. 11, at an afternoon session of the tenth anniversary observance of the College of Human Development in the HUB ballroom.

The award was established in 1973 to recognize achievements of alumni and provide an opportunity for them to return to campus and meet with faculty and students.

Mrs. Saubel was nominated by her former students for "playing a continuing significant part in student professional development while at Penn State and after her retirement."

A 1935 graduate of Penn State in home economics education, Mrs. Saubel did graduate work at Dickinson College and Penn State. She joined the University faculty in 1954 as a part-time instructor in home economics education, supervising the student teacher practicum. She became a full-time faculty member in 1965 and served as advisor to "News and Views," the student publication. In 1971, she was named assistant to the Dean in charge of student affairs and coordinated activities for student organizations.

HUB to offer special Homecoming dinner menus

The Terrace Room will celebrate Homecoming Weekend with candlelight dinners, served from 4:45 to 7 p.m., on Friday, Oct. 7, and Saturday, Oct. 8.

The menu for both evenings will be braised veal with mushroom and wine sauce, prime rib of beef au jus, seafood O'Brien on a bed of rice, roast turkey with bread dressing, stuffed pork chops with apple raisin dressing and Swiss steak.

In addition, there will be live entertainment both evenings. On Friday, Phi Mu Alpha's Dixieland and German bands will perform. On Saturday, dinner music will be provided by the Rio Group.

Since the Homecoming Parade will come up Shortledge Rd. at the dinner hour on Friday evening, motorists should go east on Pollock Rd. and park behind Boucke Bldg.

Daily information about Terrace Room menus is available through the Dial-A-Menu service, which is in operation 24 hours a day, seven days a week. The number to call is 865-1516.



Skating lessons offered

Penn State's Ice Skating School will begin its 1977-78 season on Tuesday, Oct. 11, under the direction of Kurt Oppelt, assistant professor of physical education and a former Olympic Gold Medal Winner.

Lessons will be offered adults and teen-agers every Tuesday from 6:40 to 7:40 p.m. or Wednesdays from 7 to 8 p.m. Classes for children will be held on Saturday afternoons from 12:30 to 1:30 p.m. and on Tuesdays from 5:20 to 6:20 p.m.

Registration for all classes will be held on a first-come basis on Thursday, Oct. 6, from 7 to 9 p.m. at the University Ice Pavilion. A fee of \$60 (for 20 sessions) or \$35 (for 10 sessions) must accompany each registration. Special family rates are available.

Mueller to retire; replacement sought

Ralph E. Zilly, vice president for business, in announcing the July 1, 1978, retirement of Otto E. Mueller, assistant vice president for housing and food service operations, invites nominations and applications for this position.

The primary responsibility of the position is to provide administrative leadership to the University-wide housing and food services operation. Applicants for the position should demonstrate significant experience in housing or food services administration, preferably in a higher education setting. A bachelor's degree, or equivalent experience, is required.

Nominations or applications should be sent to the University's Employment Division, Department 1, Room 117 Willard Bldg., University Park, PA 16802. The deadline for applications is Nov. 1.

Conference to deal with Art and the Special Child

Robert Koslosky, an outstanding consultant in the field of art in special education, will conduct a conference Saturday, Oct. 15, at the University on Art and the Special Child. The conference will present the latest information on State mandates and guidelines, mainstreaming, gifted child programs, and special education approaches that have proven successful. It is intended for art and special education teachers, gifted child resource persons, and concerned administrators.

Further information is available by calling Keller Conference Center at 865-7557. The conference is a continuing education service of the College of Education.

Inn to host post-game parties

The Nittany Lion Inn is hosting a post-game party, with a live band and cash bar, following each home football game this year. The parties are open to all University football fans and will provide a meeting place for visiting alumni and area residents.

Winter reserve lists due

Reserve reading lists for winter term 1978 should be submitted to the Reserve Reading Room, W11 Pattee, on or before Oct. 18 to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Reserve Reading Room, W11 Pattee.



Crafts festival at Stone Valley

The Shaver's Creek Nature Center is presenting its second annual Old Time Pioneer Crafts Festival on Sunday, Oct. 16, from noon to 5 p.m. at the Stone Valley Recreation Area. Families are invited to come out and watch demonstrations of candle making, spinning and weaving, food drying, and woodcarving. Various uses for herbs and wildflowers will be shown, as well as aspects of Indian lore.

Anyone for Cal Club?

Anyone who studied at one of the University of California's campuses is eligible to join Cal Club. The group meets every other month. Interested persons should contact Prof. Howard Lawrence at 865-9535.

Editor to speak

Jeremiah Novak, consulting editor for The Asia Mail who frequently writes and speaks on international economics, will speak on "Life in the Year 2000," on Friday, Oct. 7, at 7 p.m. in Eisenhower Lounge. The program is sponsored by the Newman Club and is open to the public.

Movement education classes offered

A movement education program for children of kindergarten to third grade ages will be held at the University, sponsored by the College of Health, Physical Education, and Recreation. Classes, which will include basic movement skills, games and educational gymnastics, will meet from 4 to 5 p.m. on Thursdays, starting Oct 13 and continuing through Nov. 10. Classes will be held in the gymnasium of White Bldg. Registration for the classes is scheduled for 3:45 to 4 p.m. Thursday, Oct 13, at White Bldg., immediately before the first class.

Local No. 8 to vote Oct. 11

A vote seeking ratification of the Fact Finder's wage settlement recommendation in the dispute between the University and Teamsters Union Local No. 8 will be held on Tuesday, Oct. 11, at 7 p.m. in Eisenhower Auditorium at University Park.

Representatives of Local No. 8 will make direct contact with members not at University Park between now and Oct. 11. They will visit the Commonwealth Campuses, Capitol Campus, Behrend College and The Milton S. Hershey Medical Center.

Following two days of formal hearings, Fact Finder Robert David Kreitler strongly recommended a wage settlement which both parties have tentatively accepted.

The University had previously offered wage increases from 20 cents to 31 cents per hour. The Union demand ranged from 25 cents to 55 cents per hour.

Mr. Kreitler recommended wage rates ranging from 24 cents to 42 cents per hour. He said he based his recommendation upon all of the factors and evidence presented by the two parties during the extensive hearings.

Responding to the Fact Finder's recommendation, President Oswald said that the University is reluctantly prepared to accept the independent recommendation of the Fact Finder. He pointed out that the University has already announced salary increases for faculty and other staff.

The officers and executive committee of Local No. 8 stated that they unanimously recommend approval of the recommended settlement to their membership.

Eddy visits Campuses

Provost Edward H. Eddy made his first formal tour of the Commonwealth Campuses last week, meeting with faculty, staff, and students at the Shenango Valley and DuBois Campuses and at Behrend College.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring prohibition. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Oct. 13. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT DIRECTOR, ISIA (INTERNATIONAL STUDENT AFFAIRS), STUDENT AFFAIRS — University Park. Responsible to the Director of International Student Affairs for the implementation, planning and execution of community, social, and cultural programs sponsored by International Student Affairs. Master's degree, or equivalent, with some preparation in counseling or related area, and up to one year of directly related experience.

MANAGER, MUSHROOM RESEARCH CENTER, AGRICULTURE — University Park. Responsible to the Director of the Mushroom Research Center for planning, implementing and supervising practices and procedures necessary for mushroom research; conduct quality control functions and pest management practices, and diagnose disorders of mechanical, pneumatic or electrical components integral to the operation of the Mushroom Research Center. Master of science degree, or equivalent, in science or biological engineering, plus one to two years of directly related experience in industrial microbiology and/or food sciences, or bachelor of science degree, or equivalent, plus two to three years of directly related experience in same.

INSTRUCTIONAL SERVICES OFFICER — Capital. Responsible to Dean of Faculty for effective utilization of instructional media, including instructional television, audio-visual and instructional materials services. Master's degree, or equivalent, preferably in instructional media and a minimum of one year of directly related experience is required.

Penn State Intercom

Basic skills credits to count toward graduation

Credits earned in the two existing basic skills courses will be included in the student's cumulative grade-point average, following action taken by the University Faculty Senate last week.

In addition, credits from the two courses, English 4 (three credits) and Math 198B, will be counted among the total credits earned toward graduation, but will not substitute for minimum program requirements currently designated as "Baccalaureate Degree Requirements," "Requirements for the Major," and "Electives."

Senate, faculty discussion Oct. 18

The third open discussion session between Senate officers and faculty will be held on Tuesday, Oct. 18, from 11 a.m. to noon in Room 101 Kern Bldg. The officers would like to hear about faculty problems and suggestions for the University as a whole and to discuss pending legislation and suggestions for items which should be considered by the Senate.

The Senate action, an amendment of the legislation that created the basic skills program, was taken because the original legislation conflicted with Pennsylvania Higher Education Assistance Agency (PHEAA) requirements.

Specifically, PHEAA requires that students carry a minimum of eight credits per term which are applicable toward a degree and successfully complete a minimum of 24 credits per academic year. When the basic skills program was created, it was specified that courses would not be used to satisfy basic minimum requirements for graduation and would not be used in calculating grade-point averages.

The basic skills program was established last spring for incoming students found to be deficient in basic math and English (primarily writing) skills.

Senate Chairman-Elect Lee Saperstein, who represented the Senate Council in proposing the amendment, said several thousand Penn State students currently receive PHEAA financial assistance. If the amendment were not approved, he said, many students would either have to take more courses than their advisers recommended or face the loss of their PHEAA aid.

The Senate action followed a report by Senator George McMurtry, chairman of the special committee on Basic Skills, on the progress of the basic skills program.

Dr. McMurtry said 12,000 incoming students have taken entrance exams to determine their proficiency in basic math and English since the program was established. During the summer term 1,769 students were found to be deficient in English and 1,854 were found to be deficient in math.

(Continued on page 4)

News in Brief

Berks to celebrate 20th anniversary

President Oswald will visit the Berks Campus on Saturday, Oct. 15, to open a two-day 20th anniversary celebration.

Dr. Oswald will address a morning convocation of students, parents and faculty and then speak at an alumni brunch. Later in the afternoon, he will participate in the opening of the new Berks Campus Nature Area.

Throughout Saturday and Sunday, a number of activities are planned in conjunction with a public open house on the Campus. There will be a Wildlife Art Exhibition, special exhibits by students and faculty members, slide-tape presentations describing the development of the Berks Campus and the use of the new library, and video-taped replays of Dr. Oswald's remarks at the convocation. The celebration will also include an antique car show, showings of the Charlie Chaplin film, *The Gold Rush*, and a presentation of *The Spoon River Anthology* by The Penn Players, the Berks Campus student theatre group.

University to withhold Occupational Privilege Tax

As it did last year, the University will withhold the Occupational Privilege Tax of \$10 from all employees who are based at University Park and are liable for the tax. Since the University will be able to obtain a 2 percent discount for prompt payment, it will pass this saving on to each employee. The deduction will also include an antique car show, showings of the Charlie Chaplin film, *The Gold Rush*, and a presentation of *The Spoon River Anthology* by The Penn Players, the Berks Campus student theatre group.

If any employees wish to appeal their liability for this tax, they should apply directly to Paul D. Bender, Tax Collector, 250 East Beaver Ave., State College, Pa. 16801.

Department Heads are asked to make certain that personnel in their areas are aware of this tax.

Capitol to dedicate Multi-Purpose Bldg.

Dedication ceremonies for Capitol Campus's new Multi-Purpose Bldg. will be held Wednesday, Oct. 19, at 11 a.m.

Participating in the ceremonies will be President John W. Oswald; Provost Edward D. Eddy; Robert E. McDermott, Capitol provost; and George D. Wolf, dean of faculty at Capitol.

Located directly south of the Main Bldg., the new structure houses classrooms, staff offices, and athletic facilities, including a gymnasium, handball courts and areas for other recreational activities.

No U.S. mail on Oct. 24

Mailing Services reminds faculty and staff that there will be no U.S. mail delivery at University Park on Monday, Oct. 24, which is Veterans' Day. Interoffice mail will be picked up and delivered as usual.



Dr. Walker

Eric A. Walker Bldg. dedicated on Saturday

"This University will be ever grateful for the leadership provided to it by Dr. Eric A. Walker," President Oswald said last Saturday morning at ceremonies naming the Eric A. Walker Bldg.

Trustees of the University last March approved the naming of the environmental sciences building for Dr. Walker, who served as president of the University from 1956 to 1970, after holding other administrative and academic posts from 1945 to 1956.

Dr. Oswald noted that 140 major buildings, including academic buildings and residence halls at University Park and other Campuses of the University, were constructed during Dr. Walker's tenure. He noted too that from 1956 to 1970 the University budget rose from \$34 to \$168 million; State appropriations from \$13 to \$69 million; enrollment from 16,000 to 43,000; and the number of full-time faculty from 1,500 to 3,200.

"And during this amazing growth, the quality of our program not only was sustained, but deepened," Dr. Oswald continued, noting also that many important programs were initiated during these years.

Education seeking teaching award nominees

The College of Education is seeking nominations for its Outstanding Teaching Award. The award is presented to a faculty member who exhibits

"outstanding performance as a teacher, adviser, developer of quality instruction processes, and evoker of professional aspiration and competence among students."

Nominations are to be submitted by students or former students from among College of Education faculty members, both undergraduate or graduate, at any of the University's Campuses. Nomination blanks and a list of criteria for the award are available in Room 220 Carpenter Bldg., University Park, Pa. 16802. Nominations close Oct. 31.

Consumers can air complaints Oct. 26

Wednesday, Oct. 26, will be "Gripe Day" for consumers in Centre County. Joseph Sobel, attorney-in-charge at the Harrisburg regional office of the Bureau for Consumer Protection, will meet with interested citizens at 1 p.m. in the HUB assembly room to hear complaints and suggestions regarding consumer affairs in the area. The meeting is sponsored by the consumer committee of the Organization of Town Independent Students (OTIS).

14 banks offering salary deposit service

The University's salary deposit procedure is now available to all salaried employees who have checking accounts in the following banks:

University Park —
Central Counties Bank
Mid-State Bank
Peoples National Bank of Central Pennsylvania
Union National Bank of Huntingdon
First National Bank of Centre Hall
Farmers National Bank, Millheim
The Community Bank, Port Matilda
County National Bank, Philipsburg

Hershey, Capitol, Berks, and York —
Hershey National Bank
The Valley Trust Company of Palmyra
Commonwealth National Bank
National Central Bank

Behrend College —
The First National Bank of Pennsylvania
Marine National Bank

Education re-accredited

The College of Education has been granted a 10-year re-accreditation by the National Council for Accreditation of Teacher Education (NCATE).

NCATE, recognized by the Council on Postsecondary Accreditation as the only national accrediting agency for the field of teacher education, cited several standards which its review team felt the College met "exceptionally well" at the undergraduate level.

These included competence and utilization of faculty, faculty involvement with schools, counseling and advising for students, and the student practicum.

At the graduate level, areas identified as points of strength included design of curricula, research in advanced curriculum, preparation of faculty, and composition of faculty for doctoral degree programs.

The report also noted several deficiencies — lack of clear delineation of the humanistic and behavioral studies in individual programs; use of a large number of adjunct faculty; and insufficient use of follow-up studies on graduates for planning and program improvement purposes.

According to College Dean Henry J. Hermanowicz, a number of steps already have been taken regarding a clearer role of humanistic and behavioral studies in individual programs.

"In addition," he said, "we plan to utilize the College's Instructional Support Center to design and coordinate follow-up studies on our graduates for possible use in program modification."

"We already have reduced the number of professional persons as adjunct faculty."

Editor's note: This is the first in a series of short essays by Penn State faculty members on the function of interdisciplinary studies in higher education. Dr. Joseph J. Kockelmans, professor of philosophy and director of the Interdisciplinary Graduate Program in the Humanities (IGPH), reflects on the program's accomplishments during the past four years. Any faculty member with a substantive contribution to make on this topic is welcome to send an article to INTERCOM.

Seeking to enhance the social relevance of higher education by emphasizing the role of the humanities, the University inaugurated the IGPH in the Fall of 1973 with the support of a four-year grant from the National Endowment for the Humanities.

Between 1973 and 1977, the program developed approximately 50 new graduate courses of a typical interdisciplinary nature; most of these courses were taught by a team. The majority of these courses were very well attended by graduate students from different departments.

During this same period, some 50 faculty members were affiliated with the program: participating in faculty seminars, teaching courses, conducting seminars, advising students, or functioning as members of the program's Steering Committee.

In these first four years of the program, 16 post-doctoral fellows were awarded fellowships to engage in interdisciplinary research and teaching and 26 fellowships were awarded to graduate students, giving them an opportunity to work for one year outside their home departments in fields related to their majors.

As of July 1, 1977, the program will be sponsored by the College of the Liberal Arts, which will maintain all aspects of the program with the exception of the post-doctoral component. In addition, the College has encouraged efforts to expand the program to include faculty and graduate students from departments of other Colleges within the University.

PURPOSE

The purpose of IGPH, as conceived by its Steering Committee, is to provide a non-disciplinary framework where students and faculty whose interests are problem-oriented and whose research

Interdisciplinary education

problems range over more than one discipline can study and teach outside their regular departments.

Those involved in the project have avoided structuring the program around an abstract and preconceived notion of what interdisciplinary study is or should be. Rather they have viewed the IGPH as an invitation to search for new approaches to important problems, both in research and in teaching. Since it was never intended to foster a specific school or trend, the program has tried to make room for all legitimate non-disciplinary efforts on the part of faculty and graduate students; in other words, the program was designed to function as an umbrella for inter-, cross-, and trans-disciplinary innovations in research and teaching.

In all of its efforts the IGPH has been concerned with the relevance of graduate education to contemporary social needs, believing that such relevance requires contact with the humanities. IGPH is a means to problem-oriented research and discourse, not an end in itself. This is one of the reasons the program is committed to interdisciplinary education and research based on a disciplinary foundation.

ORGANIZATION

The main characteristic of the IGPH is its flexibility; therefore there is no set faculty, student body, courses, or special degree. The IGPH tries to work within the existing departments, Colleges and University structures to minimize bureaucratic organization, duplication of efforts, and costs.

The program is directed by a Steering Committee which consists of faculty members and graduate students from different departments and Colleges. This committee functions as one of the standing committees of the College of the Liberal Arts, and its members are therefore appointed by the Dean of the College. A Program Director administers the program on a day-to-day basis. Each year the program offers ten to twelve graduate seminars or courses under the auspices of the participating departments. When necessary, these seminars and courses are prepared in faculty seminars. The program develops three faculty

seminars each year to make certain that the courses or seminars it offers are very well prepared and respond to an actual need expressed by its graduate students.

Faculty are recruited from among those professors who manifest an interest and have demonstrated competence in interdisciplinary graduate education. It is their responsibility to develop and offer interdisciplinary courses and seminars, participate in the faculty seminars, advise students, and function as members of the students' doctoral committees, where applicable.

Students affiliated with IGPH are as a rule enrolled in one of the graduate programs of the University. At the beginning of their final phase of graduate course work, they take one year to study outside their regular departments under the guidance of the IGPH Director and one or more faculty members competent in the areas of their choice. After this year of "forensic" study, the students usually return to their home departments to complete their doctoral education.

Students who prefer not to complete their graduate education in one of the existing graduate programs but are interested in non-departmental degrees are entitled to petition the Graduate School for special committees to serve as ad hoc "departments" guiding their graduate studies.

THE PROGRAM AND THE UNIVERSITY

Developing a new graduate program in a university with well over 100 functioning degree granting programs presents some real challenges. Over the past four years, it has not always been easy to explain the function of this new graduate program within our University. For many people it is difficult to understand why a large university with so many graduate programs would find it desirable to develop one more interdisciplinary program.

To clarify the program's function within the University, it is perhaps helpful to state once again that the primary aim of the program is to promote interdisciplinary work in both teaching and research, in order to make graduate

education more socially relevant and to make certain that specialization and training continue to go hand in hand with genuine education, which, in our opinion, to a great extent must flow from contact with the humanities. From a purely practical point of view this means that the program attempts to establish a meaningful contact between faculty and students who work in different disciplines or programs in such a manner that the humanities constitute an important part. It attempts to establish this contact by developing transdisciplinary courses, seminars, faculty seminars and conferences. In addition, the program tries to promote any form of interdisciplinary work taken in the broad sense, provided this work can be done on the graduate level. Yet although it promotes the development of interdisciplinary graduate programs, the program itself is not meant to become a degree granting program. Its primary goal is, rather, to establish meaningful relationships between existing programs.

The questions of whether or not new interdisciplinary graduate programs should be developed, how many there should be, and which in particular should be created first, etc., can be answered only by the faculty members actually competent in the relevant fields or areas and by the administration. One must realize, however, that once such programs are developed, they will substantially function in a manner similar to that in which departments developed for the various disciplines have functioned in the past. Interdisciplinary programs will be primarily self-oriented and function as relatively closed systems. The number of faculty involved in such programs as well as the total number of graduate students enrolled in them, will be relatively small compared to the total number of faculty and graduate students in the University as a whole. Thus, even if one were to succeed in promoting a number of new interdisciplinary graduate programs, one would still not have succeeded in accomplishing the main goal of our new program: namely, to establish meaningful contacts between those who work in these relatively closed fields, in order to make certain that all of our graduate education is socially relevant and that specialization continues to go hand in hand with a genuine, human education.

Joseph J. Kockelmans

Penn Staters



Dr. James B. Bartoo, a specialist in mathematical statistics and dean of the Graduate School, is marking his 25th year at the University.

Dr. Bartoo came to Penn State as an assistant professor of mathematics in 1952. In 1957 he was promoted to associate professor and in 1960, to professor. That same year, he became head of the Department of Mathematics.

During his tenure in that position, he encouraged the development of several new programs, and eventually a separate Department of Computer Science was established. When a new Department of

Statistics was formed in 1968, Dr. Bartoo became its head. He moved to his current position in 1969.

Before coming to Penn State, Dr. Bartoo was an instructor of mathematics at the State University of Iowa and before that, he taught mathematics in the Erie School District.

A native of Swanton, Vt., he holds a B.S. in education from the State Teachers College at Edinboro, Pa., and an M.S. and Ph.D. in mathematics from the State University of Iowa.

His research specialties are mathematical statistics, especially order statistics, distribution theory, and asymptotic test theory. He has been associated with a number of programs to improve the teaching of mathematics in Pennsylvania high schools.

For the first seven months of this year, Dr. Bartoo served as Interim Provost of the University, following the retirement of Dr. Russell Larson. In 1970 he served for several months as acting vice president for research.

Dr. Bernard J. Busovine, director of graduate admissions, participated in the Latin American Admission and Placement Workshop held from Sept. 22 to Oct. 9 in Rio de Janeiro. The workshop was sponsored by the American Association of Collegiate Registrars and Admissions Officers and the National Association of Foreign Student Affairs. Twenty participants were chosen among

applicants who have the major responsibility at their institutions for the admission and placement of foreign students.

Edward T. Reutzel has been promoted to assistant professor of management science in the College of Business Administration, effective Sept. 1.

Larry A. Hull has been promoted to assistant professor of entomology in the College of Agriculture, effective Sept. 1.

Dr. Inyong Ham, professor of industrial engineering, served as chairman of the 4th International Conference on Production Research, held in Tokyo Aug. 21-26. Dr. Ham also presented an invited lecture in Osaka on "Current and Future Trends of Manufacturing Systems" at an international symposium on this topic. He delivered a second paper, "Current and Future Trends of Integrated Computer Aided Manufacturing," at a special International Production Management Seminar in Tokyo. In New Delhi, India, Dr. Ham was co-chairman of the Production Design session of the International Conference on Production Engineering, held Aug. 27-28. He also delivered a paper at the 29th General Assembly of the International Institution for Production Engineering Research. His topic was "Machine Loading for Group Technology Applications."

Appointments

Bruce A. Albrecht as assistant professor of meteorology at University Park. B.S., Illinois State U.; M.S., Ph.D., Colorado State U. Formerly research associate, Colorado State U.

Mary P. Bradley as assistant professor of mathematics at York. A.B., Catholic U. of America; M.A., Ph.D., Georgetown U. Formerly assistant professor, George Mason U. and Ferrum College.

Joe P. Buhler as assistant professor of mathematics at University Park. B.A., Reed College; Ph.D., Harvard U.

Robert G. Clark as associate professor of general engineering at Hazleton. B.S., Penn State U.; M.S., U. of Pennsylvania; Ph.D., Walden U. Formerly mechanical engineer, Carpenter Technology, Bethlehem, Pa.; assistant professor, Lehigh Community College.

Susan A. Collins as instructor of special education at University Park. B.A., Millersville State College; M.S., Penn State U. Formerly teacher, Phillipsburg, Pa.; social worker, Mays Landing, N.J.

Rodney A. Erickson as assistant professor of geography at University Park. B.A., M.A., U. of Minnesota; Ph.D., U. of Washington. Formerly assistant professor, U. of Wisconsin.

University Park Calendar

Oct. 13-23

Special Events

Thursday, Oct. 13

IAHS lecture, Philip Radcliffe, University of Manchester, on "TV: Culture with a Capital C?" 8 p.m., Room 112 Kern.

University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Friday, Oct. 14

Sports: soccer, vs. Maryland, 7 p.m. Folk and square dance roundup, 7:30 p.m., Room 133 White.

Shaver's Creek Nature Center, Stars, Myths and Legends, 8 p.m., Stone Valley.

University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Jill Olson, piano, 8:30 p.m., Music Bldg. recital hall.

Penn State Faculty Club fall dance, "The Hobbler Hop," 9 p.m., Faculty Club.

Saturday, Oct. 15

P.S.O.C. Hiking Division, overnight foraging trip, through Sunday.

Shaver's Creek Nature Center, Adventure Series, children 7 and older, registration necessary—865-1851, 10 a.m.-3 p.m., Stone Valley.

Sports: men's cross country, Penn State Open; women's cross country, vs. Michigan State; women's golf, EIAAW Championships; field hockey, vs. East Stroudsburg, 2 p.m.; women's volleyball, vs. Robert Morris, 3 p.m.

University Theatre, *A View From the Bridge*, 8 p.m., Pavilion Theatre.

Artists Series, National Theatre of the Deaf, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 16

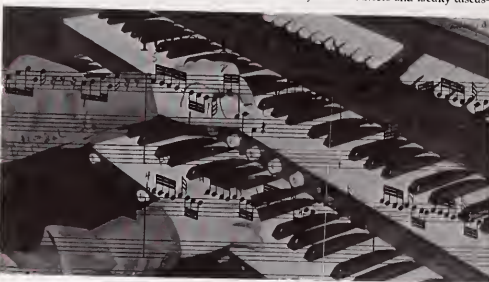
P.S.O.C. Hiking Division, famous flaming fall foliage hike in Thickhead Mountain Wild Area, 9 a.m., HUB parking lot.

Sports: women's golf, EIAAW Championships.

University Chapel service, Stanley O. Ikenberry, senior vice president for University development and relations, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Old Time Pioneer Crafts Festival, noon-5 p.m., Stone Valley.

Colloquy, "The Wide World of Health," Dr. Michael DeBakey, heart surgeon, 8 p.m., HUB ballroom.



Monday, Oct. 17

Colloquy, "The Wide World of Health," Michael Green on "Diet and Heart Disease," 1 p.m., HUB assembly hall; Gerald Phillips on "Rhetorically," 7:30 p.m., Room 112 Kern.

Comp. Lit. Film Series, *The Crusades: Saints and Sinners*, 8 p.m., Room 217 Willard. Free admission.

June Miller, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Oct. 18

Friends of the Museum of Art Gallery Talk.

Hedy Landman, museum consultant, on "East to West: Chinese Export Porcelain," 10:30 a.m., Museum of Art.

Comp. Lit. luncheon, 12:15 p.m., Room 1 Faculty Club. Philip Radcliffe, University of Manchester, on "Mass Communications and the Developing Countries."

Colloquy, "The Wide World of Health," John Lucas on "Fitness and Running," 1 p.m., HUB main lounge; Dr. Philip Sarrel, Yale University, on "Sex and the College Student," 8 p.m., HUB ballroom.

University Senate officers and faculty discussion, 11 a.m., Room 101 Kern.

English colloquy, John Moore on "The Uses of Poetry: A Theme in *The Shepherds Calendar*," 8 p.m., Room 101 Kern.

Wednesday, Oct. 19

Agricultural Advisory Council meeting, 9:30 a.m., Room 101 Kern.

Colloquy, "The Wide World of Health," Karl Stoedebake and Elsworth Buskirk on "Assessment of Human Performance," 1 p.m., Room 121 Noll Lab; Jeremy Rifkin on "Who Should Play God?" 8 p.m., HUB ballroom.

Graduate Council meeting, 3 p.m., Room 101 Kern.

G.S.A. Commonsplace Theatre, *The Wild Bunch*, 7:30 and 9:30 p.m., Room 112 Kern.

University Chapel service, The Rev. Donald Davis, FSU, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Nature Discovery Walk, 2 p.m., Stone Valley.

Opening reception, Larry Edwards and Bill Hanson, painters, 3-5 p.m., Zoller Gallery.

Opening reception, Art of the 13th Term, 3-5 p.m., Hamann Gallery.

Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 102, theatre, *The Good Doctor*, 8 p.m., Room 112 Kern.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 23

P.S.O.C. Hiking Division, trail clearing on Mid State Trail, free picnic supper, 9 a.m., HUB parking lot.

University Chapel service, The Rev. Donald Davis, FSU, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Nature Discovery Walk, 2 p.m., Stone Valley.

Opening reception, Larry Edwards and Bill Hanson, painters, 3-5 p.m., Zoller Gallery.

Opening reception, Art of the 13th Term, 3-5 p.m., Hamann Gallery.

Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 102, theatre, *The Good Doctor*, 8 p.m., Room 112 Kern.

Seminars

Friday, Oct. 14

Analytical Chemistry, Bill Milne, NIH, Bethesda, on "The NIH-EPA Chemical Information System," 11:10 a.m., Room 333 Whitmore.

Monday, Oct. 17

Biochemistry and Biophysics, Louis Hass, Hershey, on "Human Red Cell Phosphoglycerate Synthetase and Phosphoglycerate Mutase: Implications in Control of Sickle Cell Anemia, Part I," 3:55 p.m., Room 101 Altohouse.

Organic Chemistry, M. Miljkovic, Hershey, on "Synthesis of Macrolide Antibiotics," 8 p.m., Room 333 Whitmore.

Tuesday, Oct. 18

Biochemistry and Biophysics, Louis Hass, Hershey, on "Human Red Cell Phosphoglycerate Synthetase and Phosphoglycerate Mutase: Implications in Control of Sickle Cell Anemia, Part II," 11:10 a.m., Room 101 Altohouse.

Air Pollution Control, Julian Heicklen on "Chemical Control of Photochemical Smog," 3:20 p.m., Room 140 Fenske.

Genetics, Susan Henderson on "Premature Chromosome Condensation in Eukaryotic Cells," 3:55 p.m., Room 52 Fern.

Engineering Science and Mechanics and Bioengineering Program, Harold Alexander, New Jersey Medical School, on "The Role of the Biomechanics Laboratory in Orthopaedics," 4 p.m., Room 232 Hammond.

Geology, Desmond Pretorius, University of Witwatersrand, on "Some Problems in South African Tectonics," 4 p.m., Room 112 Walker.

Inorganic Chemistry, Gregory L. Geoffroy on "How to Seek and Find Employment in Chemistry," 8 p.m., Room 333 Whitmore.

Thursday, Oct. 20

Agronomy, Keith Schumde, USDA Soil Conservation Service, Washington, D.C., on "Land Inventory and Monitoring Procedures and Programs of the USDA-SCS," 9:35 a.m., Room 111 Tyson.

Ceramic Science, J. A. Coppola, Carbondrum Research and Development Division, on "Sintered Alpha-Silicon Carbide," 11 a.m., Room 301 Mineral Industries.

Chemistry, Thomas C. Bruice, University of California, on "The Mechanism of Oxygen Activation Electron Transfer, and Dehydrogenation Reactions Mediated by Flavins," 12:45 p.m., Room 333 Whitmore.

Applied Research Laboratory, John B. Clay on "Transmission Through a Turbulent Medium," 4 p.m., Room 73 Willard.

Biochemistry and Biophysics, Dennis Burton, University of Lund, Sweden, on "Water-Proton Relaxation as a Probe of Antibody Mobility: Implications for Complement Activation," 4 p.m., Room 101 Altohouse.

Microbiology and Cell Biology, John S. Schutzbach, University of Alabama Medical Center, on "The Incorporation of Mannose into Mammalian Glycoproteins," 4 p.m., Room 52 Fern.

Friday, Oct. 21

Analytical Chemistry, David Dube on "Aspects of Electrochemistry of Vitamin B12," 11:10 a.m., Room 333 Whitmore.

Chambers Gallery: Hugh Stumbo, collages; Jack Troy, ceramics, opens Oct. 21.

Hammond Gallery: Tom Ferguson and Martin Raja, mixed media, opens Oct. 21.

HUB Gallery: Homecoming exhibits, through Oct. 15. San Francisco Posters exhibit; Penn State Wildlife Society exhibit, opens Oct. 15.

Kern Commons Gallery: Michael Ondik, photographs; Lester E. Rishel, woodcarving; Alpha Fire Company National Fire Prevention Week exhibit, all through Oct. 15.

Pennsylvania Guild of Craftswomen exhibit, opens Oct. 15.

Museum of Art: William Clann Bryant Collection: Arne Jacobsen: Danish architect and designer.

Museum of Art HUB Gallery: Esmark Collection of Currier and Ives prints.

Fatter Galleries: Humphrey Repton, English Gardens, Main Lobby, through Oct. 15; Canadian exhibit, Rare Books Room, opens Oct. 17.

Zoller Gallery: William King, sculptures, through Oct. 21; Larry Edwards and Bill Hanson, paintings, opens Oct. 22.

WPSX Highlights

The history of immigration to the United States is explored Friday, Oct. 14, at 9 p.m. on *The Forty Million*, a tribute to the courage and contributions of the 40 million people who left Europe for America beginning in 1850. The hour-long special features interviews with Pierre Samuel duPont, Laura Fermi, and Werner von Braun, who tell of their families' experiences as immigrants.

John Houseman and Irene Worth star in Flannery O'Connor's "The Displaced Person" on *The American Short Story* Sunday, Oct. 16, at 11 p.m.

Visiting Fellow Philip Radcliffe, head of communications at the University of Manchester, England, is the guest on *Talkabout* Tuesday, Oct. 18, at 7:30 p.m. A well-known media critic, Mr. Radcliffe discusses the differences between American and British television and journalism with Robert Farson, associate professor of journalism.

Beverly Sills stars in the New York City Opera's production of *Manon Tuesday*, Oct. 18, at 8 p.m. on *Great Performances: Live From Lincoln Center*.

"I couldn't go into a bank and borrow five cents," says a New York state farmer named Arvilla Groesbeck. "I am too small for one thing. . . I am too old for another thing; and I am a woman and I think that we have an awful lot to do with it." The 63-year-old dairy farmer's battle against inflationary pressures and lowered milk prices is documented Wednesday, Oct. 19, at 10:30 p.m. on *Arvilla*.

Filmed inside a locked psychiatric ward for men at the Metropolitan State Hospital in Norwalk, Conn., *Hurry Tomorrow* examines the treatment of poor patients in a mental institution where drugs have replaced laboratory and electro-shock therapy in "quitting" patients. The psychiatrist in charge of the ward allowed the film to be made, he said, because "I wanted you to see that the people on the inside are norazier than the people on the outside." Ask the filmmakers. "Then why lock them up?" *Hurry Tomorrow* can be seen Thursday, Oct. 20, at 9 p.m.

attracted to public transportation. (Ref. CBD, 9/28/77, p. 2)

(290-3) The Pennsylvania Water Resources Research Center (A. J. McDonnell, 863-0291) is currently accepting proposals for matching funds for Title I Water Resources Research Projects. Some of the priority areas this year are efficient use, energy development, urban water problems, and consequences of extreme hydrologic events. Early discussion of your proposal with Dr. McDonnell is requested. The deadline for proposals sent to the Water Center's Nov. 4 is under guarantee transmittal to the Dept. of Interior prior to Dec. 1.

(290-4) Applications for grants under the FY 1978 OE Environmental Education Program have a Jan. 20 closing date. General projects include curricula development, training, fellowships, and community education. Migrant (workshop) projects are also funded. (Ref. OE announcement)

(290-5) The NSF Division of Engineering provides funds for research equipment both as part of regular grants and as separate grants for specialized research equipment. Proposals for "separate" grants must be postmarked by Feb. 1 for FY 1978 funds. (Ref. NSF 77-45)

(290-6) The DOT Urban Mass Transportation Administration announces a Jan. 20 deadline for its UMFTA University Research and Training Program. Priorities include: research and training relevant to urban mass transportation, increased interactions between university and local transportation agencies, technical and advisory assistance, training, and career

Funding Sources

For further information, call 865-1372

(290-7) The NSF Division of Engineering provides funds for research equipment both as part of regular grants and as separate grants for specialized research equipment. Proposals for "separate" grants must be postmarked by Feb. 1 for FY 1978 funds. (Ref. NSF 77-45)

(290-8) The DOT Urban Mass Transportation Administration announces a Jan. 20 deadline for its UMFTA University Research and Training Program. Priorities include: research and training relevant to urban mass transportation, increased interactions between university and local transportation agencies, technical and advisory assistance, training, and career

Funding Sources

Arts Roundup

Treteau to present Ionesco play

Eugene Ionesco's *The Bald Soprano* (*La Cantatrice chauve*) is this year's offering of Le Treteau de Paris when it returns to University Park at 7:30 p.m. on Monday, Oct. 24, in Eisenhower Auditorium.

The play, which was first produced in Paris in 1950, ushered in what later became known as the "theatre of the absurd." At its first performance in London, the noted British critic Kenneth Tynan accused Ionesco of promoting "anti-theatre" by showing that words are meaningless and communication between humans impossible. Ionesco replied that all he wanted to prove was that it is difficult to make oneself understood — not absolutely impossible.

The play will be performed by the company of the Theatre de la Huchette, which has toured this version in Europe, Japan and Israel as well as having performed it for 20 years in Paris — making it the longest running production in the history of the French theatre.

As the second part of the program, the company will offer a series of poems, songs and sketches from the French author Jacques Prevert.

Tickets are available now either at the auditorium or from Prof. Armitage, Room S402 Burrows Bldg.

African, Afro-American art to be forum topic

James E. Lewis, director of the Gallery of Art at Morgan State University in Baltimore, will be the featured speaker at the Afro-American Studies Forum on Wednesday, Oct. 19, at 8 p.m. in the HUB assembly room.

Prof. Lewis will be speaking about African and Afro-American art. Members of the University community are invited to join in a discussion on interdisciplinary concerns in the areas of art, sociology, history and human development, which will follow the talk. The forum is sponsored by the Black Studies Program.

Oct. 19 for Thalia Trio

The Thalia Trio, a chamber ensemble in residence in the Department of Music, will present its first concert of the current season at 8:30 p.m. on Wednesday, Oct. 19, in the Music Bldg. recital hall.

The trio, which celebrates its tenth anniversary this year, is made up of three University music faculty members, Leonard Feldman, cellist, Joanne Zagst Feldman, violinist, and Robert Baisley, pianist.

Included in Wednesday's concert will be compositions representing three centuries of chamber music. They are Trio in G major, K 564, by A. Mozart; Trio on Irish Folk Melodies by Frank Martin; and Trio, Opus 63, by C. M. von Weber.

Comp Lit film series

A Comparative Literature Film Series is being held Monday nights at 8 p.m. in Room 217 Willard Bldg. *The Crusades: Saints and Sinners*, a film describing the First Crusade and the capture of Jerusalem, will be shown Oct. 17. Two medieval plays, *Abraham and Isaac* and *The Second Shepherd's Play*, will be screened Oct. 24, and two works of Chaucer's will be seen Oct. 31. They are *From Every Shire's End*, a dramatized account of the Prologue of the *Canterbury Tales* and *The Pardoner's Tale*.

"Romance and Reality," a segment of Kenneth Clark's *Civilization* television series, will be shown Nov. 7. In it, Lord Clark examines the high Middle Ages and the concept of courtly love.

Admission to all the films is free, and the public is invited.



Buddha head chief among Museum's new acquisitions

Several important new works have been added to the permanent collection of the University's Museum of Art.

Chief among them is a glazed pottery Buddha Head from the Liao dynasty (907-1124 A. D.) of China. Museum Director William Hull calls the head the "premier piece in the Penn State permanent collection." It was a gift from Dr. Ralph C. Marcover of New York City. A second major gift is an oil painting, "Bathers in a Cove, Maine 1917," by the American painter and water colorist Maurice Prendergast, one of the eight painters of the so-called "Ashcan School." The painting was given to the Museum by Eugene Prendergast, widow of Maurice's brother Charles, who was also a painter.

A bronze Roman Lamp with Griffin's Head is another recent acquisition. The piece is thought to be the work of a 4th

century Constantinople craftsman.

Museum Curator Olga Preisner points out that while the lamp is not a major piece of this era, it represents a new area of acquisition for the Penn State museum.

Two Japanese paintings and one Chinese work make up the remainder of the new acquisitions. The Chinese work, a hanging scroll called "Lotus," is attributed to the painter Chu Ta. It was completed in 1705 and is thought to be one of the artist's last works.

Another hanging scroll, "Birds and Flowers," is the work of Japanese artist Tsubaki Chinzan, who painted in the middle of the 19th century. "Three Sections of Honen Shinon Eden," a pictorial biography of Saint Honen, is a handscroll from the Muromachi period of Japan.

Dinner Theatre at Kern

The Good Doctor, a comedy by Neil Simon, will be presented in Kern's Uncommon Dinner Theatre Friday through Sunday, Oct. 21-23. Simon based his play on the short stories of Anton Chekov.

A pre-revolutionary Russian Dinner will be served at 6:30 p.m. on Saturday and Sunday, followed by the play at 8 p.m. The dinner includes Russian potato soup, beef Madeira with mushrooms and Black Forest torte.

Tickets for the Dinner Theatre are \$6.50 apiece; theatre only tickets are \$2 for non-students. Tickets and reservations are available from the Kern Information Desk, 865-1878. The Dinner Theatre is sponsored by Kern in cooperation with the Department of Theatre and Film and the Hotel and Restaurant Society.

Organ recital Oct. 17

Penn State organist June Miller will present her first concert of the 1977-78 season at 8:30 p.m. on Monday, Oct. 17, in the Music Bldg. recital hall.

For her concert, Ms. Miller, an associate professor of music, has chosen works spanning three centuries of organ music. They are *Prelude and Fugue in E Major* by Vincent Lubek; "Toccata for the Elevation (Mass IV)" from *Fori Musicali*, 1635, and "Canzona IV" from *Il Secondo Libro* . . . 1637, both by Girolamo Frescobaldi; Toccata II in D Minor by

Johann Froberger; Toccata, Adagio, and Fugue in C Major (BWV 564) by J. S. Bach; "Communion" and "Sortie" from *Messe de la Pentecoste* by Olivier Messiaen; *Fantaisie in C, Op. 16*, by Cesar Franck; and "Finale" from *Symphony VI* by Louis Vierne.

Pivot on sale

Pivot, the poetry magazine founded in 1951 by Joseph Grucci, is now on sale in downtown State College. Mr. Grucci, an associate professor of English at Penn State from 1950 until his retirement in 1974, was director of the University's Poetry Workshop.

In addition to the publication of work by known poets, Pivot, according to its editor, "emphasizes an interest in the poetry of new talent, young and not-so-young, who are often undeservedly neglected By this fusion of new and seasoned talents, Pivot is happily engaged in a continual process of renewal."

Mail orders for the publication can be sent to Mr. Grucci at 221 S. Barnard St., State College, Pa. 16801. The price of a single copy is \$1.25.

Olson to play

Pianist Jill Olson, a part-time instructor in music, will present a recital at 8:30 p.m. on Friday, Oct. 14, in the Music Bldg. recital hall.

Senate

(Continued from page 1)

In examinations administered on Aug. 30, about 65 percent of the 574 students who took the math exam passed, according to Dr. McMurtry. None of those students had taken the basic skills math course, since it was not offered during summer term.

About 87 percent of the 80 students who took the basic skills English course passed it, thereby erasing their deficiency, and about 28 percent of the 160 students who took the English retake examination made passing grades.

In other action, Senate heard an informational report from the Committee on Admissions, Records, and Scheduling concerning the reinstatement of students who have been dropped as degree candidates. The committee concluded that the reinstatement process is working and that a significant number of students who go through the process are able to overcome their past problems and eventually earn a degree.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring limitation. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Oct. 20. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

PHOTOJOURNALIST, PUBLIC INFORMATION AND RELATIONS — UNIVERSITY PARK Responsible for photography to be utilized as photojournalism for local, State and national media to enhance the public image of The Pennsylvania State University. Plan and photograph original and imaginative materials depicting University Park and Commonwealth Campus academic and social life. Bachelor's degree in photojournalism or its equivalent, plus three to four years of directly related experience with a newspaper or comparable publication.

STAFF PHARMACIST — Hershey Responsible to the Assistant Manager or Pharmacy Supervisor to perform pharmaceutical functions of inpatient and outpatient dispensing, intravenous admixture and hyperalimentation preparation, extemporaneous compounding, providing drug information to physicians, students, nurses and patients. Maintain inpatient and outpatient drug profiles, enforce pharmaceutical regulations, and maintain required Formulary records and inventory levels. Bachelor of science in pharmacy, plus one to two years of directly related experience. Pennsylvania registration in pharmacy or eligibility required.

PERSONNEL ASSISTANT — Hershey Responsible to the Director of Personnel for the recruiting, interviewing, and screening of applicants and other projects as assigned. A bachelor's degree in business or equivalent and one to two years of directly related experience.

BUSINESS MANAGER — Schuylkill Responsible to the Director for the administration of Campus facilities, book store activities, custodial staff, maintenance of budget records, purchasing, inventory, and personnel activities. Bachelor's degree in an area such as business administration or equivalent outside training, plus over one year and up to and including four years of related experience in building construction and alteration, purchasing, etc. Supervisory background in operation and management of physical plant highly desirable.

Department of Public Information and Relations
Room 312 Old Main
University Park, Pa. 16802
Telephone: (814) 865-7517

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

Penn State Intercom

Arts Roundup

Vermeer Quartet offers program Friday

The Vermeer Quartet will present an all-Beethoven concert as the opening event in the Artists Series Fine Arts program at 8:30 p.m. on Friday, Oct. 21, in Eisenhower Auditorium.

The four artists, all members of the Resident Artists Faculty of Northern Illinois University, will perform Opus 59, No. 1 in F major (Razumovsky) and Opus 130 in B-flat major.

Smuel Ashkenasi, violinist with the quartet, studied with Efreim Zimbalist at the Curtis Institute of Music. He won the Mervinweather Post Contest in Washington, D.C., and was second prize winner in the Tchaikovsky Competition in Moscow. Violinist Pierre Menard studied at the Quebec Conservatory and Juilliard. He appeared with the Montreal Symphony as winner of a National Festival of Music competition and was awarded a Prix d'Europe by the Government of Quebec.

Nobuko Imai, violinist, was first prize winner in the 1967 Munich International Competition and in the 1968 Geneva Competition. A frequent participant in the Casals, Marlboro and Spoleto Festivals, Ms. Imai made her New York recital debut in 1968 on the Young Concert Artists Series and drew critical acclaim at her Carnegie Hall recital in 1973.

While still a student at the Eastman School of Music, cellist Marc Johnson was the youngest member of the Rochester Philharmonic and has performed as soloist with that orchestra and the Denver Symphony.

Tickets for the concert will be on sale through 4 p.m. today (Oct. 20) and at the Eisenhower Auditorium box office beginning at 5 p.m. on the evening of the performance.

Brown to perform

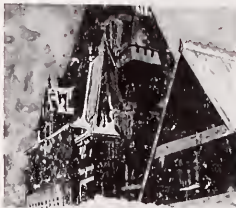
Bass-bantone Raymond Brown will present his first recital of the current season at 8:30 p.m. on Monday, Oct. 24, in the Music Bldg. recital hall.

Mr. Brown, professor of music and director of University Chorus, will be accompanied by a variety of instrumental groupings as well as the traditional piano, which will be played by another University music professor, Barry Brinsmaid.

Mr. Brown will open his program, with Mr. Brinsmaid, with three songs by Franz Schubert from the composer's "Gesänge des Harfners," opus 12, and three of Hugo Wolf's "Michelangelo Lieder."

Musica da Camera, the University's chamber orchestra, will then join Mr. Brown for two Handel arias, "Tears Such as Tender Fathers Shed," from *Deborah* and "How Willing My Paternal Love" from *Samson*.

The second portion of the program will be given over to the performance of a solo cantata, *Ich will den Kreuzstab gerne tragen* (BWV 56) by J.S. Bach. Joining Mr. Brown for this piece will be members of the Penn State Singers, of which he is conductor, and a chamber instrumental ensemble.



Detail from "Snow Cathedral" by Lawrence Edwards on exhibit in Zoller Gallery.

Alard recital on Oct. 26

The Alard String Quartet will present its second concert of the season at 8:30 p.m. on Wednesday, Oct. 26, in the Music Bldg. recital hall.

The Quartet has chosen three works for its program. Two are traditional string quartets, Sixth Quartet by Bela Bartok and Quartet in D Minor, Op. 56, "Voices Intimate" by Jean Sibelius.

For the program's third work, Quintet in C Major, K. 515, by W. A. Mozart, the Alard will be joined by David Vogel, violinist.

Quartet members, all music faculty at the University, are Joanne Zagst Feldman and Donald Hopkins, violinists; Raymond Page, violist; and Leonard Feldman, cellist.

Indian photos at Kern

The Kern Commons Gallery will present "The Curtis Photogravure of the North American Indian" from Oct. 22 through Nov. 5.

An artist of monumental energy and supreme patience, Edward S. Curtis worked for more than 30 years, 1898-1930, to photograph over 70 American Indian tribes in the western United States. Curtis sought to convey with his photography the thought that "the Indians as a race, already shorn of their tribal strength and stripped of their primitive dress, were passing into the darkness of an unknown future."

Library receives Canadian recordings

Three representatives of the Canadian government and Canada Radio International are visiting the University Park Campus today (Oct. 20) to present a collection of recordings to the University.

They are the Honorable Howard Campbell, Consul for Canada in Philadelphia; Richard Boyer, director of public relations for the Canadian Consulate in Philadelphia; and Daniel Proteau, head of distribution for Radio Canada International.

The tapes and phonograph records, all of which have been broadcast on Radio Canada International, cover Canadian history, political affairs, and cultural life. They will be added to the University's collection of audio materials and will be available for loan to library patrons.

"One of the nicest things about this is that it is an ongoing project," Charles H. Ness, assistant dean of the University Libraries, says. "We will receive additions

to the collection as they become available."

According to Mr. Ness, Dr. Henry Albinski, professor of political science and a specialist in Canadian affairs, played a major role in the acquisition of the collection.

In addition to musical and theatrical selections, which emphasize Canadian composers and performers, there is an extensive collection of spoken word recordings. Among them is a series in which former members of the Royal Canadian Mounted Police tell of their experiences, a one-hour documentary drama about Benedict Arnold's attempt to conquer Canada; readings of the works of Canadian humorist Stephen Leacock, and a series of dramatized documentaries on the Klondike Gold Rush of the 1890s.

In all, there are several hundred tapes and recordings in the collection.

Legislative attitudes to be examined

A program, "Legislative Attitudes toward Higher Education," will be presented under the sponsorship of the College of the Liberal Arts Faculty Steering Committee at 3:30 p.m. on Thursday, Oct. 27, in Room 101 Kern Bldg.

Speakers include Dr. Helen Wise, Galen Godbey and Dr. Kenneth P. Mortimer. Dr. Wise, Rep/77 and former president of the National Education Association, is a trustee of the University. Mr. Godbey is an alumnus of the University and a special assistant to the Pennsylvania Secretary of Education. Dr.

Mortimer is director of the University's Center for the Study of Higher Education and professor of education.

Each of the speakers will present a brief talk, and there will be time for questions and discussion. According to Librarian Ronald L. Filippelli, who is in charge of arrangements for the meeting, the program is not designed as yet another investigation of why Penn State's budget has not been passed but is an attempt to familiarize faculty and students with the State and national legislative environments in so far as they relate to higher education.

Pa. Business Survey offered to staff

Full-time members of the faculty and the administration at all campuses of the University may subscribe without charge to the Pennsylvania Business Survey, a monthly review of economic conditions in Pennsylvania and its major areas published by the College of Business Administration. Persons who have in the past received the Survey should make

known their wish to continue receiving it.

The Survey is based on an analytical program conducted in the Center for Research of the College. The report is nontechnical and is part of a communications program of the College which includes news releases to daily papers, radio stations, and TV stations.

(Continued on page 2)



Scene from Ionesco's "La Cantatrice Chauve" to be presented by Le Troupe de Paris Oct. 24.

Penn Staters



Dr. Robert S. Brubaker, head of the Department of Speech Communication, was honored at a recent celebration marking his 25 years of service at the University.

Well known for his research in psycholinguistics and acoustics, Dr. Brubaker is co-author of the book, *Oral Communication in the Classroom*, and co-editor of another book, *Speech Pathology*. He is associate editor of the *Journal of Communication Disorders* and a member of the board of editors of the *Journal of Psycholinguistic Research*. In addition, he was formerly president of the Central Pennsylvania Acoustical Society.

Dr. Brubaker received his academic training at the University of Illinois, earning a B.A. in speech pathology and an M.A. and Ph.D. in speech science. After receiving his Ph.D. in 1952, he was awarded an American Speech and Hearing Association Travel Grant to Italy.

In 1972 he was selected by the Danforth Foundation to participate in its "Future of Liberal Arts" workshops in Colorado and was also invited by the Swiss National Foundation for the Improvement of Science to conduct research at St. Gallen Medical Academy, where he had earlier served as a research associate.

Dr. Brubaker joined the Penn State faculty in 1952 as an assistant professor and was named a professor in 1966. He has headed the Department of Speech Communication since 1975.

President John W. Oswald moderated two panel discussions in Philadelphia on Oct. 13 and 14, marking the 150th anniversary celebration of the Pennsylvania Horticultural Society.

The Thursday afternoon panel on "Whither Horticulture? The Next 150 Years," in addition to President Oswald, included Ian McHarg, chairman of Landscape Architecture and Regional Planning, University of Pennsylvania; Frances Perry, member of the Council, The Royal Horticultural Society, England; Peter Raven, director, Missouri Botanical Garden, St. Louis; and Richard Evans Schultes, Paul C. Mangelsdorf professor of natural sciences, Harvard University.

For the Friday morning panel on "Meanwhile, What about Now?" Dr. Oswald was joined by James Underwood Crockett, writer and television producer, Concord, Mass.; William Flemer III, Princeton Nurses, Princeton, N. J.; Rachel Snyder, editor-in-chief, *Flower and Garden*, Kansas City, Mo.; and Paul Tractman, editor, *Horticulture*, Boston, Mass.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, has recently authored, *The British Experience in Educational Change, Careers Education and Counselor Training: Implications for American Education*, published by the U.S. Office of Education in its monographs on career education series. The material for the monograph was derived from interview and other research conducted while Dr. Herr served as a Visiting Fellow at the National Institute for Careers Education and Counseling, Cambridge, England, during the summer of 1976.

Dr. Edward D. Eddy, provost of the University, has been elected to the Board of Directors of Duquesne University for a two-year term.

Dr. Parris H. Chang, professor of political science, was a witness at a hearing held by the Committee on International Relations of the U.S. House of Representatives on Sept. 29 to deliberate the problems of U.S. normalization of relations with the People's Republic of China. Last month, Dr. Chang visited Humboldt University of Berlin, German Democratic Republic, to lecture on "U.S.-China Relations" and on political and economic developments in China. His visit to East Germany was sponsored by the International Research and Exchange Board and Humboldt University.

Dr. G. P. Patil, professor of mathematical statistics, has been invited to undertake a lecture tour to universities and research centers in Turkey, Italy, Greece and Belgium under the auspices of the North Atlantic Treaty Organization Science Committee Special Programme Panel on Marine Sciences. He will lecture on statistical modeling and sampling for marine ecosystems.

Earlier this summer, Dr. Patil directed a Satellite Program in Statistical Ecology at Texas A & M University and UC-Berkeley.

Obituary

Albert P. Powell, formerly professor of engineering at the University and a faculty member from 1925 until 1959, died Oct. 9 at the age of 81 in Bradenton, Fla. Mr. Powell graduated from the Massachusetts Institute of Technology and taught at Lafayette College before coming to Penn State.

Deadlines announced for White House Fellowships

The 1977 deadlines for applications for White House Fellowships have been announced, and requests for applications must be postmarked no later than Tuesday, Nov. 15. Completed applications are due no later than Thursday, Dec. 1.

Application materials and additional information can be obtained from the President's Commission on White House Fellowships, Washington, D.C., 20415, phone (202) 653-6263.

Established by President Johnson in 1964, the White House Fellowship program brings a select group into national government to serve at a high level for one year. It is believed that these people will return to their own careers with a greater understanding of government and will share that understanding with their local communities.

Fellows come from a wide range of occupations and backgrounds, including college teaching and administration. They serve with pay as special assistants to cabinet officers, the vice president or senior White House staff. They also take part in an extensive education program which exposes them to all sectors of the national government.

The program is open to all U.S. citizens who are at least 23 years of age but are still at an early stage in their careers. It is not open to employees of the federal government, with the exception of regular members of the armed services.

Fellows are chosen on the basis of proven leadership, intellectual and professional ability, high motivation for service, and commitment to community and the nation.

News in Brief

United Way giving lags slightly at midpoint

Penn State's faculty and staff have contributed \$43,798 to the Centre County United Way campaign to date, or about 49 percent of the University goal of \$90,000, according to James M. Beattie, University campaign chairman.

"The response from University employees to the United Way is running slightly behind the pace of last year's campaign," Dr. Beattie, dean of the College of Agriculture, said, adding that at this point in the 1976 drive about 51 percent of the goal had been reached.

One reason for the smaller return this year is that to date only about 11 percent of the University's employees have responded.

"We are urging all University employees to respond so that we can have another successful campaign," Dean Beattie said.

Support for the United Way campaign is particularly important this year, Dean Beattie noted, because three new agencies have been added to the single fund raising effort.

"This is a step forward for United Way," he said, "because it means that three more fund drives in the county are being eliminated."

The new agencies include the Penns Valley Recreation Center, the Childbirth Education Association and On Drugs, Inc.

In order to fund its 27 member agencies, United Way's overall county goal is \$301,000 this year, an increase of about \$17,000 over last year.

Christmas tree sale

Due to increased demand, orders for the Christmas trees sold each year by forestry students must be placed by Nov. 5. All delivered trees will be fresh cut.

Trees may be reserved by calling Jody at 865-4237 Monday through Friday, 8 a.m. through 5 p.m., or Mark Hofmann at 865-6182 on weekends. Prices are:

Size	Blue Spruce	Scotch Pine
4'	\$11.50	\$ 8.50
5'	13.50	9.50
6'	15.00	11.00
7'	16.50	12.50
8'	17.50	14.50
9'	18.50	
10'	19.50	
11'	20.50	
12'	21.50	

Payment for trees ordered by departments must be made upon delivery by Interdepartmental Transfer to The School of Forest Resources Budget 804-14, Fund 1001.

Trees for personal use should be paid for on delivery by a check made out to the Penn State Forestry Society.

Delivery will be Dec. 5-10.

Keaton films to be shown

The Tuesday Night Film Series, The Comic Genes of Lloyd and Keaton, will continue with the screening of two short Keaton films, *The Playhouse* and *The General*, at 8 p.m. on Tuesday, Oct. 25, in Eisenhower Auditorium. The films are part of the Artists Series Film Festival.

In *The Playhouse*, which was made in 1921, Keaton pays tribute to vaudeville and plays some two dozen different roles. *The General*, which contains a classic chase sequence, stars Keaton in the role of Johnny Gray, a railroad engineer who rescues his train from a group of Union raiders.

Tickets for the films will be on sale at \$1.50 apiece at the auditorium beginning at 7:30 p.m. on the night of the screening.

Pattee to extend hours

Preliminary plans were made Monday night to reinstate late evening library hours at University Park starting at the beginning of winter term.

The plan was developed at a meeting of Dr. Edward D. Eddy, provost, and Dr. Stuart Ford, dean of University Libraries, with student leaders.

The plan was developed with the understanding that certain library services would need to be curtailed, principally during the late evening hours. This will enable the library to continue to operate within the limits of the current stringent budget. Details of the plan will be announced later by Dean Ford after discussions with library faculty members.

Hadrian's Wall is lecture topic

"Rome's Northernmost Frontier" is the title of an illustrated public lecture to be presented by Prof. James Russell, University of British Columbia, at 8 p.m. on Tuesday, Oct. 25, in Room 101 Kern Bldg. The meeting is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Prof. Russell will describe the Hadrianic frontier system in Britain, its construction, and its effect on the lives of the native inhabitants.

Singapore poet visiting

Singapore poet Edwin Thumboo will be at the University Park Campus Oct. 23 to 27. Dr. Thumboo is professor of English language and literature at the University of Singapore and acting head of the department. He is the author of two books of poetry, *Gods Can Die and Rib of Earth*, and editor of *The Second Tongue, An Anthology of Poetry from Malaysia and Singapore*.

Dr. Thumboo will speak on "Singapore, Writing in English: A Pigeon among Wary Cats" at the Comparative Literature Luncheon on Tuesday, Oct. 25, at 12:15 p.m. at the Faculty Club. He will give a reading of his own poetry, published and unpublished, at 3 p.m. on Wednesday, Oct. 26, in the Rare Book Room at Pattee Library, and at 8 p.m. the same day, he will speak on the African novelist, Gabriel Okara, at the Black Studies Center at Walnut Bldg.

Pa. Business Survey

(Continued from page 1)

Issued 12 times a year, the Survey usually takes the form of a four-page letter emphasizing current developments in the Pennsylvania economy presented against a background of national developments. This is supplemented by quarterly reports on the individual "little economies" of all of Pennsylvania's major metropolitan areas, plus University Park's home community, Centre County. An annual review is presented for the State and each of the covered areas.

Requests for Survey subscriptions should be addressed to the Director, Center for Research, College of Business Administration, Room 801 Bus. Ad. Bldg.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

University Park Calendar

Oct. 20 — 30

Special Events

Thursday, Oct. 20
Colloquy, "The Wild World of Health," Edward Wickhamson on "Sex, Health, and the Academic Community," 7:30 p.m., HUB main lounge.

Friday, Oct. 21
Sports: j.v. football, vs. Milford Academy, 2 p.m.; soccer, vs. Navy, 7 p.m.
Astronomy open house, 7:30 p.m., Davey Lab.
Cloud date, Oct. 22, 7:30 p.m.
Un-Common Theatre, Neil Simon, *The Good Doctor*, 8 p.m., Room 112 Kern.
Artists Series, Vermeer Quartet, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 22
Sports: football, vs. West Virginia, 1:30 p.m.
Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 102, theatre, *The Good Doctor*, 8 p.m., Room 112 Kern.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 23
PSU Intercollegiate Sailing Regatta, 9:30 a.m., Stone Valley.
P.O.C. Hiking Division, trail clearing on Mid State Trail; free picnic supper, 9 a.m., HUB parking lot.
University Chapel service, The Rev. Donald Davis, PSU, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Nature Discovery Walk, 2 p.m., Stone Valley.
Opening reception, Larry Edwards and Bill Hanson, paintings, 3-5 p.m., Zoller Gallery.
Opening reception, Art of the 13th Term, 3-5 p.m., Hammond Gallery.

Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 102, theatre, *The Good Doctor*, 8 p.m., Room 112 Kern.

Monday, Oct. 24
Last date for Nov. graduates to deliver theses to Graduate School office.

Last date for Departments to certify to Graduate School completion of required papers for Nov. graduates.

First day for signing winter term NDSE and University Long Term Loans, Room 108 Shields.

Shakespeare film, *King Lear* (Brook/Scofield), 6:30 p.m., Room 101 Chambers. Free admission.

Titaneau de Paris, *La Cantatrice Chante* (Ionesco), 7:30 p.m., Room 101 Chambers.

Comp. Lit. Film Series, *Alpham and Isaac* and *The Second Shepherd's Play*, two medieval plays, 8 p.m., Room 217 Willard.
Raymond Brown, bass-banjo, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Oct. 25
Comp. Lit. luncheon, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club, Edwin Thumboo, University of Singapore, on "Singapore Writing in English: A Pigeon among Wary Cats." Artists Series, Keaton films, *The Playhouse* and *The General*, 8 p.m., Eisenhower Auditorium.
Central Pa. Society of the Archaeological Institute of America lecture, James Russell, University of British Columbia, on "Rome's Northernmost Frontier," 8 p.m., Room 101 Kern.

Wednesday, Oct. 26
IAHS visitor, Edwin Thumboo, University of Singapore, will read his own poetry, 3 p.m. Rare Book Room, Pattee Library.
Commonplace Theatre, *Midnight Cowboy*, 7:30 and 9:30 p.m., Room 112 Kern.

IAHS visitor, Edwin Thumboo, will speak on the African novelist, Gabriel Okara, 8 p.m., Black Studies Center, Walnut.
University Theatre, *Something's Afoot*, student preview, 8 p.m., The Playhouse.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 27
Sports: field hockey, vs. Maryland, 2:30 p.m. College of Liberal Arts Faculty Steering Committee panel, Helen Wise, Rep. 77; Galen Godbey, special assistant to Pa. Sec'y of Education; Kenneth P. Mortimer, director of Center for the Study of Higher Education, on

"Legislative Attitudes toward Higher Education," 3:30 p.m., Room 101 Kern.
G.S.A. Halloween party, 6:30 p.m., Kern.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Friday, Oct. 28
P.S.O.C. Hiking Division, idyllic overnight (wait all night on Mount Nutt for the Great Pumpkin to show up).
Sports: j.v. football, vs. Wesley Jr. College, 2 p.m.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 29
Sports: football, vs. Miami, 1:30 p.m.
Shaver's Creek Nature Center, Ghoulies and

Beasties and Things that Go Bump in the Night, 8 p.m., Stone Valley.
University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Sunday, Oct. 30
Sports: women's cross country, Blue & White Invitational.
P.S.O.C. Hiking Division, Jost locomotive hunt in the Seven Mountains, 9 a.m., HUB parking lot.
University Chapel service, Dr. Denis M. Seaward, executive assistant to the President, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Historical Walk, 2 p.m., Stone Valley.
Artists Series, *My Fair Lady*, matinee, 3 p.m., evening, 8:30 p.m., Eisenhower Auditorium.



The Vermeer Quartet

Seminars

Friday, Oct. 21
Materials Research Laboratory, Dr. D. A. Gorham, Cavendish Lab, Cambridge, England, on "Applications of High-Speed Photography," 10:30 a.m., Room 250 MRL.
Analytical Chemistry, David Dubois on "Aspects of the Electrochemistry of Vitamin B₁₂," 11:10 a.m., Room 333 Whitmore.
Materials Research Laboratory, Ian L. Spain, University of Maryland, on "Studies of Phase Transitions at High Pressure and Low Temperature in the Diamond Anvil Cell," 3:30 p.m., Room 250 MRL.

Monday, Oct. 24
Biochemistry and Biophysics, Alex McPherson, Hershey, on "The Three Dimensional Structure of a DNA Unwinding Protein: The Gene 5 Product of *Id Bacteriophage*," 3:55 p.m., Room 101 Althouse.
Organic Chemistry, N. C. Deno, Barbara Greiginger and Stephen Shour on "The Aliphatic

Structure of Coal, Lignin and Lignite," 8 p.m., Room 333 Whitmore.

Tuesday, Oct. 25
Applied Research Laboratory, Ward Gearhart on "Propulsors for the Small Water Plane Twin Hull Vehicle," 10:45 a.m., Walker conference room, Applied Science Bldg.
Biochemistry and Biophysics, Alex McPherson, Hershey, on "The Crystallization of Proteins and Their Analysis by X-Ray Diffraction: Some Examples in Progress," 11:10 a.m., Room 101 Althouse.
Surface Science, Mark Cardillo, Bell Labs, 1 p.m., Room 339 Davey.

Air Pollution Control, Terence H. Risby on "Analysis for Size-Fractionated Airborne Particulate Matter by Atomic Absorption Spectrometry and Neutron Activation Analysis," 2:20 p.m., Room 140 Fenske.
History, Robert J. Maddox on "American Intervention in Siberia," 3:30 p.m., Room 101 Kern.
Genetics, Reynaldo L. Villareal on "Inheritance of Resistance to Rice Blast Disease," 3:55 p.m., Room 52 Frear.

Plant Disease and Food Quality, Vann Gregory, "Production of Seed Quality and Quality Parameters: Part II: Mycotoxins in Food and Feed," 3:55 p.m., Room 213 Buckhout.
Inorganic Chemistry, James H. McNamara, Cyprus Metallurgical Processes Corp., on "The Hydrometallurgical Extraction of Copper from Sulfide Ores and Its Conversion to E.T.P. Copper Metal," 8 p.m., Room 333 Whitmore.

Thursday, Oct. 27
Agronomy, Donald McCormack, USDA Soil Conservation Service, on "New Developments in Soil Surveys and Their Use," 9:35 a.m., Room 111 Tyson.
Ceramic Science, Dennis Viechnicki, Army Materials and Mechanics Research Center, Watertown, Me., on "Solid State Formation of Neodymium-Doped Yttrium Aluminum Garnet," 11 a.m., Room 301 Mineral Industries.
Chemistry, Peter H. von Hippel, University of Oregon, on "Molecular Basis of DNA-Protein Interactions: The Lactose Operon System," 12:45 p.m., Room 333 Whitmore.

Physics, David Emin, Sandia Lab, on "A Qualitative Discussion of Small Polarons Formation and Motion," 3:50 p.m., Room 117 Osmond.

Applied Research Laboratory, Francis H. Fenlon on "Recent Developments in Low Mach Number Flow Noise Generation from Turbulent Boundary Layers," 4 p.m., Room 73 Willard.

Fuel Science/Chemical Engineering, Joseph Henry, West Virginia University, on "Novel Solid-Liquid Separation Processes for Removal of Particulates from Coal Derived Liquids," 4 p.m., Room 271 Willard.
Philosophy, Joseph Play on "Categories of Comportment," 4 p.m., Room 203 Willard.

Friday, Oct. 28
Analytical Chemistry, Mike Roland on "Coherent Anti-Stokes Raman Spectroscopy," 11:10 a.m., Room 333 Whitmore.
Geosciences, Elliot C. Morris, U.S. Geological Survey and AAPG Distinguished Lecturer, on "Viking View of Mars," 4 p.m., Room 112 Walker.

Exhibits

Chambers Gallery: Hugh Stumbo, collages; Kay Troy, ceramics.
Hammy Gallery: Art of the 13th Term: Tom Ferguson and Martin Rajala, mixed media, opens Oct. 21.
HUB Gallery: San Francisco Posters exhibit; Penn State Wildlife exhibit.
Kern Commons Gallery: Pennsylvania Guild of Craftsman exhibit; Edward S. Curtis, North American Indian photographs, opens Oct. 22.
Museum of Art: William Cullen Bryant Collection, through Oct. 23; Arne Jacobsen: Danish architecture and designer.
Museum of Art HUB Gallery: Esmark Collection of Turner and Ives prints, through Oct. 23.
Pattee Galleries: Canadian exhibit, Rare Book Room, through Oct. 28.
Zoller Gallery: William King, sculptures, through Oct. 21; Larry Edwards and Bill Hanson, paintings, opens Oct. 22.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved (i.e., positions filled completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds).

Consequently, the position vacancies listed below have been accepted from the current hiring curriculum. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Oct. 27.

DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

CLASSIFICATION ANALYST, PERSONNEL ADMINISTRATION — University Park. Responsible for assisting in the implementation of wage and salary plans of the University. Gather information for the review of existing positions or the evaluation of new positions. Write job descriptions based on the completed data. Assist in conducting research, surveys and

compiling data as a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering. Plus a minimum of two years of administrative experience.

ASSISTANT TO THE DIRECTOR, EXECUTIVE PROGRAMS, BUSINESS ADMINISTRATION — University Park. Responsible to Director for assistance in the research, marketing, and administration of new and existing Executive Programs of two weeks and four weeks residence education for corporate executives. Master of Business Administration or equivalent, plus one year of marketing experience. Position funded until June 30, 1978.

TECHNICAL SPECIALIST (PENPAT), CONTINUING EDUCATION — University Park. The PENPAT Technical Specialist will travel extensively throughout the Commonwealth, visiting public and private agencies and organizations to assist in identifying and solving energy-related problems; will make research findings available; will make referrals to consultants, manufacturers, and organizations as a means of conserving energy; will provide the user with follow-up data as to implementation and impact on specific solutions. Master's degree or equivalent training, plus two to four years of directly related experience in energy conservation. Ph.D. is desirable.

MANAGER, MANAGEMENT SYSTEMS — Hershey. Responsible to the Hospital Director for management engineering duties in planning and overseeing utilization of hospital facilities and personnel. B.S. degree in industrial engineering or equivalent and four to seven years of directly related experience.

ASSISTANT PERSONNEL DIRECTOR, APPLIED RESEARCH LABORATORY — University Park. Responsible to the Personnel Director of ARL for the administration of personnel and employee relations functions, including recruiting, job classification, employee records and personnel-related research. Bachelor's degree or equivalent, with two to four years of directly related experience in personnel or management related areas to include some experience in statistical analysis and computer programming. Some work toward a master's degree desirable.

ADMINISTRATIVE AIDE — Hershey. Responsible to the Chairperson, Department of Anesthesiology, for the performance of various administrative duties to include supervision of clerical staff and efficient operation of the departmental office. A high school graduate with at least two years of college or equivalency, plus an additional three to four years of directly related experience in the performance of various administrative type duties and supervision of clerical personnel. (Bachelor's degree preferable).

INTRODUCTION

University policy, as outlined in *The Academic Policy Plan*, asserts Penn State's fundamental responsibility to provide programs of instruction, research, and public service. Generally, the University's financial resources allocated to resident instruction are about twice those for organized research, and funds devoted to research about twice those for public service (including continuing education). During this past year (FY-76), organized research direct-cost expenditures amounted to \$46.3 million, and recovered indirect costs of research totaled about \$6 million, for a total of about 16 percent of the University's total expenditures. Unlike instruction and public service, less than 25 percent of the financial resources for research are derived from State appropriations. Yet, the development and maintenance of the University's national and international reputation depend to a major degree on the faculty's research output.

In its discussions on the "climate for research" over the past two years, the Senate Committee on Research recognized the need for providing the University community with information about Penn State's research activities, policies and procedures. And, in this regard, perhaps the most misunderstood and debated issue is the recovery and use of indirect research costs. This report presents the faculty with the most current information and policies regarding indirect cost of research and offers several interim suggestions regarding this complex matter.

SUPPORT OF RESEARCH

Proposal writing and participation in sponsored research by members of the faculty are strongly emphasized by the University, especially at the University Park and Hershey campuses. As noted below, more than 75 percent of the support for research is derived from external sponsors.

Research Support — FY 76		
Category	Amount (\$M)	%
State		
Appropriations (General Funds)	11.07	23.9
Federal		
Appropriations	3.00	6.5
Federal Grants and Contracts	24.84	53.7
Other Research Sponsors	7.35	15.9

Unlike the funds supporting the instructional and public service missions of the University, most research funds are a direct result of efforts by individual faculty in writing research proposals. Thus, individual rather than institutional efforts are a unique, and many times overlooked, aspect of research funding. These efforts are strongly influenced by the climate for research, which can be perceived as encouraging, neutral or discouraging by faculty members.

TOTAL COST OF RESEARCH

Research activities involve two types of expenditures: (1) direct costs related to the operation of each project and clearly identifiable with its specific purpose (i.e., salaries, wages, fringe benefits, supplies, equipment, travel, communications, publication charges, etc.) and (2) indirect or overhead costs related to general institutional activities that are essential to the performance of research but do not serve a research project uniquely. The latter are for joint functions that cannot easily be prorated project by project, these include business office operations—accounting, purchasing, payroll, plant operation and plant maintenance—utilities, janitorial services, security, library service and journal acquisitions; general and research administration at central, college, and departmental levels; and depreciation or use allowances for buildings and equipment.

Faculty as well as research sponsors must understand that the total project cost = direct costs + indirect costs. Thus, faculty have a responsibility to prepare and submit project budgets which cover the total costs, and sponsors should be expected to pay such costs. Although most federal and industrial organizations realize this "fact of life," many private foundations and philanthropic organizations will not pay the full costs. Typically, they will agree to meet the direct costs, but place a limitation on reimbursement of indirect costs. Similarly, some state agencies and municipalities maintain that they expect service from a publicly supported institution at less than the actual cost.

INDIRECT COSTS OF RESEARCH

It is a commonly held view among faculty that the addition of a research project does not add measurably to the over-all cost of operation of the University. On occasion, principal investigators argue that grant income is simply an

add-on to their departmental or project operation and that it is unnecessary and/or at least undesirable to attempt to charge a sponsor for indirect costs. While this view might be defensible if only a few projects were involved, it is demonstrably incorrect when the research volume exceeds \$50 million annually.

Research activities place a disproportionately large burden on accounting, purchasing, and payroll services, because project funds must be separated into separate accounts and sub-accounts. Many awards now come with a line-itemized budget that calls for the reporting of all project expenditures by categories—salaries and wages, supplies, travel, computing charges, etc. Much of the work in the purchasing office similarly relates to procurement of items needed for project activities. Likewise, a disproportionately large number of personnel, payroll and other administrative actions are necessitated by research project activities.

The item, "indirect costs," which appears on the award notification or the authorized budget of externally funded projects, provides reimbursement to the University for certain expenses incurred in conducting or supporting the research which are not specifically allocable in the project budget. Some of these are essentially joint costs, shared with the other institutional functions of instruction and public service.

Indirect cost dollars received from sponsors, therefore, are literally reimbursement dollars for expenditures already made; they cannot be treated as unassigned income available for discretionary allocation. Indirect cost dollars are received in increments as the direct cost payments are made to the University by the sponsor. Only rarely are research funds provided in advance; in the usual practice, the University furnishes monthly or quarterly billings either directly to the sponsor or against a letter of credit.

The budget office plans on income from recovered indirect costs in assembling the budget. These monies are in no way a bonus or an "extra" for the University; rather these funds are already planned for and budgeted.

RECOVERY OF INDIRECT COSTS OF RESEARCH

Clearly then, with Penn State's large research program it is essential that the indirect costs be recovered from research sponsors. Otherwise, the continuing heavy drain upon the University's General Fund would jeopardize academic programs, faculty salaries, and, in fact, all of the University's functions.

Federal agencies and educational institutions are guided by uniform indirect cost reimbursement procedures. In the 1950s and early 1960s, representatives of universities and educational organizations met with officials of the Bureau of the Budget and developed a set of principles applicable to government-university research agreements and laid down the procedures to be followed. The resulting document, Circular A-21, first issued by the Bureau of the Budget in 1958, was subsequently revised and reissued in 1961, 1965, and 1968. The 1968 issue established the procedures as government-wide in their application and required all agencies to accept the indirect cost reimbursement rate negotiated for each institution.

The indirect cost rate is not set arbitrarily by the institution but by negotiation with an inter-agency committee on the basis of cost figures submitted by the institution, including total expenditure data in specified categories (or elements) in order to determine the proper distribution of these between research and other institutional activities, and projections for the coming year. The data and calculations are reviewed by government auditors, who make recommendations for acceptance or adjustment to the inter-agency committee.

In the table above are shown the indirect cost elements and resultant total indirect cost rates negotiated with the resident Federal auditor for 1976-77. The identification and weighting of these elements are controlled by the A-21 federal regulations.

The cost elements forming the basis for the total indirect cost rate are real and legitimate expenses, which must be paid from some source of money. Thus, the University must

Indirect research costs — an informational report

carefully examine each future sponsored research proposal. It should not accept large additional sums for sponsored research unless the sponsor provides funds to cover the indirect costs as well as the direct. In the years ahead, in view of the increasing obligation to identify clearly the costs of University operations with the programs supported, it may be necessary to place a limit on the amount of unrecovered indirect costs that can be tolerated and to refuse additional grants that do not cover total costs. Faculty acceptance of such a limitation would require a better understanding of the indirect cost system then now exists. Many faculty today feel the addition of indirect costs to the project's budget reduces its attractiveness (i.e., its competitiveness to a sponsor).

Faculty in the humanities and social sciences, as well as faculty at locations other than University Park or Hershey, have questioned the use of one indirect cost rate for all types of research activity, claiming their research typically does not require the physical space and/or equipment reflected in the University's rates listed earlier. However, proliferation of differential

Audited Indirect Cost Rates for Organized Research, FY-77					
Indirect Cost Elements	University On-Campus	University Off-Campus	Hershey On-Campus	Hershey Off-Campus	Off-Campus
Research Administration	9.38	9.38	4.13	4.13	
General Administration	6.20	6.20	12.89	12.89	
Indirect Department Expense	7.75	7.75	5.35	5.35	
Operation/Maintenance-Physical Plant	15.08	—	15.58	—	
Operation of Library	1.66	—	1.46	—	
Use Charge — Buildings	3.31	—	2.27	—	
Use Charge — Equipment	5.81	—	3.12	—	
Tuition	7.62	7.62	0.34	0.34	
Leaves of Absence	0.80	0.80	—	—	
Total Indirect Cost Rate	57.61	31.75	45.14	22.71	

rates would be externally difficult to administer and cannot be justified at the present time.

A change in University policy in the direction of reducing or eliminating indirect costs would contribute little if anything to the "sales appeal" of proposals submitted to the main sources of research funding (federal agencies), and such a change could only be regarded as poor fiscal management since federal regulations provide for payment of indirect, as well as direct, costs of research supported by grants and contracts. For several years now, the University has submitted "asking" budgets to Harrisburg based on realistic assessments of operating costs, and subsequently has had to reduce costs (e.g., by eliminating all new program considerations) in order to operate within final appropriations which have been approximately below the asking amounts; the gap for 1976-77 is \$10 million. Foregoing part or all of the \$5-6 million recovered annually as indirect costs is simply not feasible.

The indirect costs are real costs; if they are not recovered from research sponsors, they must come out of funds already secured for other programs. Thus, it is important that faculty members understand the nature of indirect costs and lend their support to the continuing effort by the University to secure from outside agencies the full cost of the research they sponsor.

USE OF RECOVERED INDIRECT COSTS

There is a general lack of understanding of what happens to the indirect costs recovered as a result of sponsored research work in the University. Currently, these monies are pooled with tuition and the State appropriation, which is the largest single source of income to the University. The pooled funds are then used to pay for salaries, fuel oil, maintenance, etc., which may or may not be directly related to research. While elements of cross-subsidization of programs and units are essential to the ongoing operation of the University, there is real concern that recovered indirect cost monies are being used for activities other than those directly incurred by the University's research program.

In general, there is a widespread feeling among the faculty engaged in sponsored research that a portion of indirect costs should be returned directly to the department or unit responsible for the project to maintain and re-

place equipment used in research activities and to provide monies for encouraging and facilitating further faculty involvement in research activities.

Prior to 1970, approximately 10 percent of indirect cost or overhead monies was returned to the Colleges in which the projects were being carried out. In 1970 this was reduced to 5 percent because of budgetary problems. Since that time there has been a policy of "no-return" of overhead as such. Instead, funds for replacement of research and instructional equipment are made available annually by the President and administered by the Provost. An Advisory Committee on Academic Equipment, appointed by the Provost, receives equipment requests from the Colleges and other academic units including the Libraries and the Commonwealth Campuses. The committee recommends allocations to the Provost based on the extent of need, justification by the academic units, and a first approximation formula based on 50 percent on equipment inventory and 50 percent on student credit hours. Over the past five years, amounts allocated for this purpose have averaged about \$750,000 annually. Because of the short fall in the State appropriations for the current fiscal year, the equipment allocation was delayed and was smaller than usual (only about \$500,000).

The University's "asking" budget for 1977-78 includes an item to cover equipment purchases and, if this should take hold on a continuing basis, it may then be possible to consider factoring in a return-of-overhead concept. Otherwise, the present distribution of equipment funds by the Provost, based on recommendations from a combined teaching and research equipment committee, appears to be the best approach.

SENATE REVIEW AND SUGGESTIONS

In discharging its responsibilities to create an atmosphere consistent with maintaining viable research and scholarly activities, and to advise on research policies, the Senate's Committee on Research will continue to examine the question of the recovery and use of the indirect costs of research and to examine the following suggestions for future legislative action.

To the Administration

1. That the President through the Office of the Vice President for Research and Graduate Studies initiate a re-examination of the policy of "no-return" of indirect cost monies to the academic unit generating the sponsored projects. Even a small "stimulation" via money in proportion to the unit's sponsored research volume would serve to greatly improve the climate for research and encourage additional grant support solicitation.

2. That the President, through the Office of the Provost and the Advisory Committee on Academic Equipment, continue his efforts to improve on the first approximation formula for the allocation of equipment money, and seek a better solution for the joint cost problem of equipment purchases/maintenance for research, instruction and public service.

3. That Department Heads and research administrators take a more positive role in assisting faculty in the preparation of proposals, with emphasis on realistic total cost budgeting.

4. That all levels of administration (and operations) engage in a continuing effort to keep the actual cost and hence the rate for each indirect cost element as low as possible.

To the Faculty

5. That each project proposal writer ensure that the budget includes the total cost of research, i.e. all direct and indirect costs.

6. That the entire faculty support the University's policy of securing from all external agencies/organizations the full cost of research sponsored.

SENATE COMMITTEE ON RESEARCH (1976-77)

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Penn State Intercom

News in Brief

Halloween party for children at Kern

The Fourth Annual Children's Halloween Party, sponsored by the Graduate Student Association in conjunction with the Graduate Commons, will be held from 6:30 to 9 p.m. on Sunday, Oct. 30, in Kern Graduate Bldg. The party is open to children aged 2 to 12 of Penn State faculty, staff and graduate students. All children must wear costumes.

Among the evenings activities will be apple bobbing, pumpkin carving, games, singing and story telling. The most original, funniest, ugliest and prettiest costumes will all be awarded prizes.

Delaware County sponsors colloquium

The Fifth Colloquium for Social Philosophy will be held on April 20 and 21, 1978, at the Delaware County Campus, Media, Pa. The theme for the colloquium is "Film in the 70s: New Directions."

The colloquium will examine, from the viewpoint of theme, style, and sociological impact, four topics found in films produced in this decade: The Hero: Where Have You Gone Joe DiMaggio?; Politics: The Celluloid Candidate; Sex Roles: Men and Women Under the Influence; and Coping: Aging, Death, and Other Aggravations.

The sessions will include papers, lectures, panel discussions and critiques

and will utilize feature films and clips, documentaries, and animated, experimental and television films, where appropriate.

The program will run two full days, including an evening session and dinner on April 20. Participants and observers are invited to attend all or any portion of the program.

Inquiries and communications regarding the program should be directed to Dr. Edward S.J. Tomczak, Colloquium Director, Delaware County Campus, 25 Yearsley Mill Road, Media, Pa. 19063, (215-565-3300 x67). Respondents are asked to indicate the topic(s) in which they are interested, their preferred method of participation (presentation of paper, panelist, etc.), and which films they might provide or ask the colloquium to provide to illustrate their talk.

Lord Caradon to speak

Lord Caradon, former British Ambassador to the United Nations, will give a public address on "Two World Crises: the Middle East and Rhodesia" at 8 p.m. on Tuesday, Nov. 1, in Kern Bldg. auditorium.

The meeting is being sponsored by Colloquy, the University International Relations Organization, and the Centre County Chapter of the United Nations Association.

As Permanent British Representative to the United Nations from 1964-70, Lord Caradon was the major author of Security Council Resolution 242 of November, 1967, which remains one of the principal documents relevant to the current

Arab-Israeli conflict.

Since 1970, Lord Caradon has been a consultant for the United Nations Development Programme. He is presently in residence at the Research Program in Development Studies at the Woodrow Wilson School of Public and International Affairs at Princeton University.

Faculty Club restructuring dues

A revised dues structure for the Penn State Faculty Club will be instituted as of Nov. 1. The action was agreed upon at the Oct. 17 meeting of the club's board of directors.

Resident members will pay the following annual dues:

\$90 - professors, librarians, executives, administrators, academic administrators, and associate members of the club;

\$48 - associate professors, associate librarians, senior research associates, and staff exempt personnel;

\$24 - assistant professors, senior assistant librarians, research associates, instructors, lecturers, assistant librarians, research assistants and staff non-exempt personnel.

All non-resident members, whatever their rank or payroll classification, will pay annual dues of \$10.

All retirees, whether resident or non-resident, will be billed \$24 annually.

DNA expert visits

Dr. Stanley N. Cohen, one of the leaders in the field of recombinant DNA research, will present two public lectures at University Park on Wednesday, Nov. 2.

The first lecture, a technical one on "Site-Specific Recombination in Evolution of Genes," will be presented at 11 a.m. in Room 101 Altshouse Laboratory. The second, a more popular presentation on "Gene Transplantation: The Science and The Politics," will be offered in the Keller Bldg. Auditorium at 7:30 p.m. Both lectures are sponsored by the Graduate School Lecture Series and the Department of Biochemistry and Biophysics.

Dr. Cohen, who is professor of medicine and genetics at Stanford University Medical School, was the first to use many of the recombinant DNA techniques that allow genes from bacteria and higher organisms to be combined in the same molecule. The possibility that this technique could produce hazardous organisms never before seen in nature has aroused a storm of controversy and efforts at regulation.

Wallops Island program applications ready in Deike

Applications for the 1978 Spring Term Wallops Island Marine Science Program are available in Room 540 Deike Bldg. and must be completed by Friday, Dec. 9. Participants will be selected during Christmas break and announced on Monday, Jan. 9. The program allows about 55 students to live at the Marine Science Consortium in Wallops, Va., located on the eastern shore of Chincoteague Bay, 50 miles south of Ocean City, Md. It is open to any student of at least sixth-term standing who has an

(Continued on page 4)

Planning, graduate, BDR reports on Senate docket

The University Faculty Senate is scheduled to hear three legislative proposals at its Nov. 1 meeting.

They concern implementation of undergraduate common course numbers, revised entrance requirements for the College of Agriculture, and minor changes in Senate election procedures.

In addition, the Senate will hear informational reports on the University's planning and budget procedures and on the progress of the Senate Ad Hoc Committee on Baccalaureate Degree Requirements. (The BDR report will be printed in full in a later issue of INTERCOM.)

Also on the agenda are two oral informational reports from representatives of the Graduate School and the Department of Public Information and Relations.

At the Senate's June 1977 meeting, a motion was approved for four course descriptions to appear in the Baccalaureate Degree Catalog under the heading, *Common Course Numbers and Descriptions*. The common course designation would include independent studies and special topics courses.

The Committee on Curricular Affairs, which was asked to prepare implementation procedures, will present the following recommendations: that common course numbers be available to individual programs only upon request to the committee; that if a program has independent studies or special topics courses, they only be offered under the common course numbers; and that only the independent studies and special topics courses bear the common course numbers.

The committee will ask that a form be prepared and sent to each program director for designation of new and existing common course offerings.

The changes in the College of Agriculture entrance requirements were drafted after Colleges were urged to review their admissions requirements in basic English, math and science skills.

Under the revisions, applicants would need three units of secondary school English, three units of math, one of science, and eight electives to qualify for admission to the College. Under existing requirements, a prospective student must have three units of English and 12 electives.

The Senate Committee on Committees and Rules will propose minor changes in the returning of ballots and reporting time. Under the proposed changes, secret ballots would be mailed to all Senators and Senators-Elect at least 21 days before the June meeting. Currently, ballots are mailed out at least 15 days before that meeting.

A second proposed change is that votes be counted by five appointed tellers who are Senators but not members of the Nominating Committee. At present, members of the Senate Council are prohibited from participation as tellers.



Poster art by Lanny Sommesse opens Oct. 30 at Museum of Art.

Penn Staters



Dorothy E. Alfke, professor of science education, is marking her 25th year at the University.

Dr. Alfke received her B.S., M.S. and Ph.D. degrees from Cornell University. Before coming to Penn State she taught in the New York state public schools and at Oneonta State College, N.Y.

Since 1952, when she joined Penn State, she has been involved with many National Science Foundation summer institutes and has been director of numerous workshops for elementary science teachers. In 1961-62 she travelled to Bangkok, Thailand, where she taught at Chulalongkorn University and the International School, a private school for English speaking children. She has served as a consultant in elementary science to the Pennsylvania Department of Education and has been under contract to that organization to produce model instructional television series and related in-service materials for Science for the Seventies, a series of publications developed for the improvement of elementary science instruction. Dr. Alfke recently completed a sabbatical leave of absence during which she devoted her time to revising and expanding the Science for the Seventies program. She is the author of *Better Light for Better Sight*, as well as of many technical articles.

Dr. Daniel R. Frankl, professor of physics, recently returned from Europe where he participated in two international conferences and gave seminars at a number of research institutes and universities. In Vienna, he attended the 7th International Vacuum Congress and the 3rd International Conference on Solid Surfaces. He visited and lectured at the Institute of Physical Science, University of Genoa; Physical Institute "Tandemlabor," University of Erlangen, Nuremberg; Max Planck Institute for Electrical Studies, Göttingen; the University of Liege; the Center for Nuclear studies at Saclay, Paris; and the University of Sussex, Brighton.

Dr. Eugene J. Kelley, dean of the College of Business Administration, has been elected president of the Middle Atlantic Association of Colleges of Business Administration (MAACBA).

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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Dr. Lowell L. Wilson, professor of animal science, has been appointed Associate Director for Life Sciences for the State's Legislative Office for Research Liaison. In this capacity, he will help direct the operation of a science and technology information network, designed to provide members of the House of Representatives with information, evaluation and expertise on diverse issues.

Dr. Joseph Jordan, professor of chemistry, presented a plenary lecture at the 4th International Symposium on Bioelectrochemistry held at the Marine Biological Laboratory in Woods Hole, Mass., Oct. 2-8.

Raymond Brown, professor of music and director of the University Chorus, has been elected president of a new chapter of the National Association of Teachers of Singing (NATS). The chapter, designated the Allegheny Mountain Chapter, covers the whole of the central portion of Pennsylvania, plus portions of southern New York and northern Maryland.

Bookshelf

For the remainder of this century, shortages of nonfuel minerals such as bauxite, tin and iron will not be caused by the depletion of deposits but by problems further along the supply chain, according to Dr. John Tilton, professor of mineral economics. Dr. Tilton presents that conclusion in his book, *The Future of Nonfuel Minerals*, published recently by the Brookings Institution.

He writes that shortages over the next several years are likely to be temporary, since they arise from the activities of men rather than the paucity of nature. Some, he says, can be prevented altogether with economic stockpiling, international commodity agreements, and international conventions covering trade and foreign investment.

Dr. Tilton's book grew out of his contributions to a 1974 Tokyo meeting sponsored by the Brookings Institution at which nonfuel mineral supply problems were discussed by economists from Japan, Europe and North America.

Gymnastics Safety Manual, the official manual of the U.S. Gymnastics Safety Assn. (USGSA), has been published by Penn State's Press.

The purpose of the manual, according to Eugene Wettstone, who edited it and also developed the certification program outlined in it, is to raise the level of safety in gymnastics activities. Mr. Wettstone retired last year after 30 years of teaching and coaching at Penn State.

Obituaries

Joseph E. DeCamp, professor emeritus of geology, died Oct. 20 in Lewisville, Pa., at the age of 90. Dr. DeCamp came to Penn State in 1919 as an assistant professor of geology and retired in 1955. Born in Arkansas, he was graduated from Arkansas University and earned his M.A. and Ph.D. degrees at the University of Michigan.

Chesleigh A. Bonine, professor emeritus of geology, died Oct. 19 in Martinsburg, Pa. He was 89. A member of the faculty from 1918 to 1947, Mr. Bonine was chairman of the Department of Earth Sciences in the School of Mineral Industries. Born in Sorrento, Fla., he received B.S. and Master of Engineering degrees from Lehigh University. He was a member of the U.S. Geological Survey and taught at Lehigh before coming to Penn State.

Logician tries some applied mathematics

Penn State's Dr. Richard B. Mansfield, associate professor of mathematics, recently was the only invited speaker to arrive by homemade bicycle at the summer meeting of the Association for Symbolic Logic in Wrocław, Poland.

The meeting is the most important annual gathering of mathematical



Dr. Mansfield and his handiwork.

logicians and followed by 11 days the London Mathematical Society Symposium on Sheaf Theory in Durham, England.

Since Dr. Mansfield was invited to speak at both conferences, he decided it was a "perfect opportunity to try my first long distance trip on the bicycle I made last winter."

The 600-mile journey from England to Poland took Dr. Mansfield, a runner and veteran of 10 marathons, just nine days, including time out to find new tires. After five flats and two blowouts in the first 60 miles crossing Denmark, he almost gave up, but in a small bicycle shop in Fredenicia he finally found the proper

tires, and "everything else was clear sailing."

Dr. Mansfield took ferries between England and Denmark, Copenhagen and Sweden, and across the Baltic Sea. The rest of the distance was logged on the bicycle.

The last 275 miles crossing Poland was the easiest part of the trip, Dr. Mansfield reports. "The people were friendly and overjoyed to see an American." His arrival in Wrocław became a "media event," reported at the meeting by the conference director and the local press.

At the conclusion of the conference, Dr. Mansfield and his bicycle came home on a 747. The bicycle arrived intact at New York, and Dr. Mansfield says that now he would like to sell it so that he can afford to build a new one.

The bicycle Dr. Mansfield rode to Wrocław was the second model he had built. (The first was built three months earlier and is now being ridden around State College by his wife, Phyllis.) It was constructed from standard bicycle parts, including special seamless carbon steel pipes called a "tube kit." The finished vehicle weighs about 22 pounds, depending on the tires, has front and rear derailleurs and is tailored to Dr. Mansfield's body proportions and preferences.

Dr. Mansfield claims that bicycle building is "a very mathematical thing." "You must be able to visualize space relationships to build a bike, and it helps to have a geometric mind," he says.

Dr. Mansfield had never seen anyone build a bike before he tried his. He taught himself gas welding and used *The Proteus Frame Building Book* as a guide to piece the bike together. While he thought the book was useful, he cautions, "It left a lot out."

Since building his first bike, Dr. Mansfield has also rebuilt an old Schwinn for his 8-year-old daughter, Becky. His 4-year-old son, David, rides another Schwinn (without training wheels) to nursery school.

Report on Ombudsman Seminar

Editor's note: The following statement was prepared by Robert E. Malcolm, chairman of the Subcommittee on Faculty Rights and Responsibilities of the University Senate Faculty Affairs Committee.

At a recent University Ombudsman Development Seminar, the dominant suggestion by far for improvement of the program was to increase communication to the faculty regarding the nature of issues handled by ombudsmen. The ombudsmen were asked to help by way of memos and introductions at faculty meetings. The Faculty Affairs Committee of the University Senate, which oversees and initiates legislative action for the program, is using this review to likewise increase awareness for potential usage by both faculty and administrators.

The central objective of the program is to ensure that procedural fairness exists in the decision-making processes which affect faculty, e.g., in such matters as promotion, compensation, or work assignments. In contrast, ombudsmen do not become involved in substantive issues on these matters, such as what should be proper rank or pay or work assignments for an individual.

Ombudsmen at the seminar indicated that the key element in their success in resolving an issue was being called in early where a dispute on procedures has occurred. Where disputes were entered after each party had reached extreme and unyielding positions on an issue, the ombudsmen found there was little they could do to improve a situation.

On the positive side, a survey of complaints handled during the past year

indicated that about 40 percent were resolved to the satisfaction of all parties. Another 37 percent of the complaints were dropped without further action. The remaining 23 percent are expected to be resolved at a higher level by the Committee on Faculty Rights and Responsibilities.

In general, functions of ombudsmen are to clarify misunderstandings, if possible; to advise faculty and administrators as to appropriate courses of action and to see these appropriate steps are followed; to assist in informal resolution of differences; and, as a last step, to refer the case to the University Committee on Faculty Rights and Responsibilities, c/o Senate Office, Birch Cottage, University Park, so that a formal hearing board may be set up. The ombudsmen do not hold the hearings or serve as counsel for either party before the hearing board.

Normally a faculty member would first discuss a grievance with his or her immediate supervisor, and, failing resolution there, discuss the matter with his or her dean or director. If an understanding is not reached, then the ombudsman from the complainant's academic unit should be consulted. Explicit detail on procedures may be found in the University Policy Statement PS 76.

Ombudsmen are selected through procedures established by a majority of faculty in each academic unit. Names should be available through the unit's dean or director, or may be obtained through the Senate or Provost's Office.

University Park Calendar

Oct. 27 — Nov. 6

Special Events

Thursday, Oct. 27

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.
History Roundtable, James Kingsland and Cyril Griffith discuss South Africa, 8 p.m., Room 106 Sackett

Friday, Oct. 28

P.S.O.C. Hiking Division, idiot overnight (wait all night on Mount Nitany for the Great Pumpkin to show up),

Sports: j.v. football, vs. Wesley Jr. College, 2 p.m.

Terrace Room Trick or Treat Candlelight Dinner, live entertainment, 4:45 — 7 p.m., HUB.

Chinese Student Association film, 7:30 p.m., Room 112 Kern.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 29

Sports: football, vs. Miami, 1:30 p.m.

Terrace Room Trick or Treat Candlelight Dinner, live entertainment, 4:45 — 7 p.m., HUB.

Shaver's Creek Nature Center, Ghoulies and Beesties and Things that Go Bump in the Night, 8 p.m., Stone Valley.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Sunday, Oct. 30

Sports: women's cross country, Blue & White Invitational.

P.S.O.C. Hiking Division, lost locomotive hunt in the Seven Mountains, 9 a.m., HUB parking lot.

University Chapel service, Doris M. Seward, executive assistant to the President, 11 a.m., Eisenhower Auditorium.

Shaver's Creek Nature Center, History Walk: Reading the Landscape, 2 p.m., Stone Valley.

Artists Series, *My Fair Lady*, matinee, 3 p.m., and 8:30 p.m., Eisenhower Auditorium.

GSA Halloween Party. For children of faculty, staff and graduate students, ages 2-12, with costumes only, 6:30-9 p.m., Kern Commons.

Monday, Oct. 31

Last day of signing fall term NDSL and University Long Term Loans, Room 108 Shields.

Shakespeare film, *A Midsummer Night's Dream* (Hall/Rigg), 6:30 p.m., Room 101 Chambers.

Free admission.

france-cinema, *The Story of Adele H.*, 7 and 9 p.m., Room 112 Kern.

Comp. Lit. Film Series, *From Every Shire's End and The Pardoner's Tale*, 8 p.m., Room 217 Willard. Free admission.

Tuesday, Nov. 1

Fixed date for meetings involving Commonwealth campus faculty.

Comp. Lit. Film Series, 12:15 p.m., talk, 1 p.m., Room 1 Faculty Club. Dominique Janicoud, visiting fellow of IAHS, University of Nice, France, on "The New French Philosophers."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: field hockey, vs. Delaware, 2:30 p.m.; soccer, vs. Pittsburgh, 7 p.m.

Shakespeare film, *A Midsummer Night's Dream* (Hall/Rigg), 6:30 p.m., Room 101 Chambers.

Free admission.

Artists Series, Lloyd Films, *Safety Last* and excerpts from *Hot Water*, 8 p.m., Eisenhower Auditorium.

Colloquy, Lord Caradine on "Two Danger Areas — The Middle East and Southern Africa," 8 p.m., Room 112 Kern.

English colloquium, John Balaban, "A Reading of Works in Progress," 8 p.m., Room 101 Kern.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Wednesday, Nov. 2

Phi Mu Alpha Barbershop Quartet, 12:30 p.m., Kern Lobby.

Graduate School/Biochemistry and Biophysics lecture, Stanley N. Cohen, professor of medicine and genetics, Stanford University Medical School, on "Gene Transplantation: The Science and the Politics," 7:30 p.m., Keller Auditorium.



James Benshoof leads Brass Chorale Oct. 28.

GSA Commonsplace Theatre, *On the Waterfront*, 7:30 and 9:30 p.m., Room 112 Kern.

PSU Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Philip Dettra, piano recital, 8:30 p.m., Music Bldg. recital hall.

Thursday, Nov. 3

STS/Two Cultures Dialogue. Deans Arthur Lewis and Thomas Knight on "Public Concerns About Science and Technology and Related Value Issues," noon, State College Hotel.

Super Mud Opening Reception, Maria Martinez, 1:30-5 and 7:30-9 p.m., HUB.

FSHA, Norwegian seafood dinner, Maple Room, Henderson. For reservations, phone 865-7441.

Phi Mu Alpha Brotherhood recital, 6 p.m., Room 112 Kern.

Super Mud Invitational Graduate Student Slide Presentation, 7:30 p.m., HUB ballroom.

PSU Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series, The Chamber Music Society of Lincoln Center, 8:30 p.m., Eisenhower Auditorium.

Friday, Nov. 4

Super Mud, Wayne Higby, potter, a demonstration, 9:30 a.m., Eisenhower Auditorium.

Maria Martinez, potter, a demonstration, or Susan Peterson, biographer of Maria will speak, 1 p.m., Eisenhower Auditorium; firing of Indian pottery, 3 p.m., HUB lawn;

David Shaner, potter, a demonstration, 7:30 p.m., Eisenhower Auditorium.

Public Coffee Hour with playwrights James McDonald and Robert Gerlach, visiting fellows of IAHS, 4 p.m., Room 128 Arts Bldg.

Sports: soccer, vs. Temple, 7 p.m.

Folk and Square Dance Roundup, 7:30 p.m., Room 112 Kern.

Pennsylvania Scholarship Society plenary session, Roland Pellegrin, PSU, and Charles Wright, University of Pennsylvania, on "Third Century Threshold: New Uses of Old Variables," 8 p.m., Keller Auditorium.

PSU Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

Artists Series Jazz Festival, 8:30 p.m., Eisenhower Auditorium.

Nitany Knights benefit, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 5

P.S.O.C. Hiking Division, cross country (bushwack) backpack, through Sunday.

Super Mud demonstrations, Robert Winokur, potter, 9:30 a.m.; David Middlebrook, potter, 1 p.m., Eisenhower Auditorium.

Shaver's Creek Nature Center, Adventure Series, children 7 and older, registration necessary — 865-1851, 10 a.m.-3 p.m., Stone Valley.

Sports: women's volleyball, vs. Pennsylvania, 2 p.m.

PUS Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series Jazz Festival, 8:30 p.m., Eisenhower Auditorium.

Sunday, Nov. 6

P.S.O.C. Hiking Division, hike on Centre Hall Mountain and the other Greens Valley, 9 a.m., HUB parking lot.

University Chapel service. The Rev. Marcus Meckstroth, Faith United Church of Christ, State College, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Mammals, Skinning and Tanning, 2 p.m., Stone Valley.

france-cinema, 7 and 9 p.m., Room 112 Kern.

Julius and Jim

Artists Series Jazz Festival, 8:30 p.m., Eisenhower Auditorium.

Seminars

Thursday, Oct. 27

Computation Center, "JCL," (1 of 5), introductory programming background suggested, 7:30 p.m., Room 105 Osmond.

Friday, Oct. 28

Analytical Chemistry, Mike Roland on "Coherent Anti-Stokes Raman Spectroscopy," 11:10 a.m., Room 333 Whitmore.

Gerontology Center/Community Development, Anne-Marie Guillard, University of Paris VII, on "A Marxist Analysis of French Policies on Aging," 4 p.m., Room S131 Henderson.

Physical Chemistry, George Birnbaum, National Bureau of Standards, on "Line-Shape Modeling and Its Application to Collision-Induced Spectra," 4 p.m., Room 333 Whitmore.

Monday, Oct. 31

Biochemistry and Biophysics, Robert Burris, University of Wisconsin, on "Biochemistry of Nitrogen Fixation," 3:35 p.m., Room 101 Alt-house.

Computation Center, "JCL," (2 of 5), introductory programming background suggested, 7:30 p.m., Room 112 Osmond.

Organic Chemistry, Philip S. Skell on "Successimidy Radical(s) Chemistry," 8 p.m., Room 333 Whitmore.

Tuesday, Nov. 1

Biochemistry and Biophysics, Robert Burris, University of Wisconsin, on "Potentials for Genetic Manipulation of Nitrogenase," 11:10 a.m., Room 101 Allhouse.

Surface Science, Bob Culbertson on "Field Ionization of Surface Adsorbates," 1 p.m., Room 339 Davey.

Computation Center, "Introduction to the Comp. Center," introductory programming background suggested, 1:30 p.m., Room 110 Comp. Bldg.

Air Pollution Control, Rosa G. DePena on "Sulur in the Atmosphere — Its Transformation and Deposition: A Review," 2:20 p.m., Room 140 Fenske.

Geosciences, Sergei V. Meyen, USSR Academy of Sciences, on "Three Fundamental Principles of Stratigraphy," 4 p.m., Room 222 Deike.

Inorganic Chemistry, Gregory L. Geoffroy and Julian Pinkos, Personnel Director, Erie Technological Corporation, on "How to Conduct a Job Interview," 8 p.m., Room 333 Whitmore.

Wednesday, Nov. 2

Biochemistry and Biophysics, Stanley N. Cohen, Stanford Medical School, "Site-Specific Recombination in the Evolution of Genes," 11 a.m., Room 101 Allhouse.

Engineering Science and Mechanics/ Bioengineering, D.J. Patel, National Heart and Lung Institute, National Institutes of Health, on "Role of Feedback and Relaxation Exercises in the Treatment of Hypertension," 4 p.m., Room 232 Hammond.

Fuel Science, Ismail K. Ismail on "Heats of Chemisorption of Oxygen on Sear Carbons," 4 p.m., Room 301 Mineral Industries.

Thursday, Nov. 3

Agronomy, Valerie Carey on "An Interview at the Agricultural Research and Education

Center, Homestead, Florida," 9:35 a.m., Room 111 Tyson.

Chemistry, Harry G. Mark, Jr., University of Cincinnati, on "Spectroelectrochemical

Studies of Vitamin B₁₂ and Related Cobalamins," 12:45 p.m., Room 333 Whitmore.

Physics, Jack Leibowitz, Catholic University, on "A General Introduction to Some Curious Effects in Bulk Superconductors Near the Transition Temperature: Detection of Non-Equilibrium and Spectroscopic Effects," 3:30 p.m., Room 117 Osmond.

Acoustics, Francis H. Fenton on "Recent Developments in Low Mach Number Flow Noise Generation from Turbulent Boundary Layers," 4 p.m., Room 73 Willard.

Computation Center, "JCL," (3 of 5), introductory programming background suggested, 7:30 p.m., Room 112 Osmond.

Friday, Nov. 4

Analytical Chemistry, Charlie Ting on "Electrochemical Modeling of Cytochrome C," 11:10 a.m., Room 333 Whitmore.

Ionosphere Research Laboratory/Meteorology, Thomas A. Seliga, Ohio State University, on "Differential Reflectivity: A New Measurement Technique in Radar Meteorology," 4 p.m., Room 329, EE East.

Exhibits

Chambers Gallery: Hugh Stumbo, collages; Jack Troy, ceramics.

Hammond Gallery: Art of the 13th Term: Tom Ferguson and Martin Rajala, mixed media, through Oct. 30; Neil Feather and Marilyn Ranker, ceramics, opens Nov. 1.

HUB Gallery: San Francisco Posters exhibit; Penn State Wildlife Society Invitational exhibit, both through Oct. 29. Paul O'Hara, sculpture, and Joan Sonnenberg, prints, opens Oct. 30.

Kern Commons Gallery: Pennsylvania Guild of Craftsmen, mixed media, through Oct. 29. Edward S. Curtis, photographs of North American Indians, through Nov. 5.

Museum of Art: Arne Jacobsen: Danish architect and designer, through Oct. 30. Lanny Sommers, poster art, opens Oct. 30. Kenneth Beittel, recent works, and John Koch: models and monuments, both open Nov. 6.

Museum of Art HUB Gallery: Super Mud exhibition, opens Oct. 30.

Pattee Galleries: Canadian exhibit, Rare Book Room, through Oct. 28.

Zoller Gallery: Larry Edwards, paintings, through Oct. 30. Super Mud opens Nov. 3.

News in brief

(Continued from page 1)

interest in the marine sciences.

For additional information on the program, contact Dr. Albert L. Guber, Room 538 Deike Bldg., phone 865-3836.

Computer programming workshops offered

Two programming workshops will be held following fall term for a period of five days: Monday, Tuesday and Wednesday, Nov. 21, 22, 23, and Monday and Tuesday, Nov. 28 and 29, allowing a break for Thanksgiving. These workshops are open to all faculty, staff and graduate students. The workshops offered are:

Introduction to FORTRAN (214 Boucke Bldg.)

Basic computer concepts and techniques of programming in the FORTRAN IV Language will be studied. This workshop is oriented toward those who have had no previous computer experience.

Introduction to PL/I (304 Boucke Bldg.)

This workshop will cover basic computer concepts and techniques of programming in PL/I Language. No previous computer experience will be necessary.

Lectures will be given throughout each day, beginning at 9 a.m. and resuming at 1:30 p.m. after a lunch break. Sample programs will be studied and practice problems will be assigned throughout the five-day period. In order to gain the maximum benefit, participants should plan to devote the entire five days to a workshop.

Registrations are now being accepted by Linda Yarnell, Room 229 Computer Bldg. (863-0422). A charge of \$3 (cash or interdepartmental transfer) for course materials will be made for each registrant. Computer charges will be borne by the Computation Center, and participants can use the computer for practice purposes free of charge throughout the winter term.

UNICARE review urged

Faculty and staff members of the University should periodically review the deduction being taken for their group health insurance (UNICARE) to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse starts working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances arises:

1. Your spouse or only dependent child

begins working for the University as a regular employee.

2. Your spouse or only dependent child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.

To determine whether or not you have the right coverage or are paying the right amount, compare the amounts shown on your salary check stub with the amount you should be paying as shown in the following table:

Insured Persons	Monthly	Bi-weekly
Employee only	None	None
Employee, child, children	\$1.75	\$0.80
Employee, spouse	\$3.60	\$1.66
Employee, spouse, child or children	\$5.00	\$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost.)

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473. Faculty and staff members at locations away from University Park may receive assistance by contacting their Personnel Officer or Business Manager.

The University has no way of knowing whether a change should be made, so it is the employee's responsibility to keep the records up to date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.

New JGE issued

Innovation in education is the theme of the current summer issue of *The Journal of General Education*, published by Penn State's Press. Guest editor for the issue is Thelma Baker, who teaches anthropology at the University. Among the Penn State contributors are Warren T. Morrill, professor and head of anthropology, writing on "Rethinking the Introductory Course: Structural Determinants of Content," E. R. Melander and Edward I. Pitts discuss "Faculty and Administrative Roles in Fostering Curricular Innovation." Dr. Melander is professor of quantitative business analysis and assistant vice president for undergraduate studies. Mr. Pitts is an instructor in educational policy studies. Stephen A. Bragg, an assistant in the Center for the Study of Higher Education, authored "St. Olaf and the Paracelcus: A Case Study of Planned Curricular and Organizational Change in Higher Education." Paul Hopper, instructor in English at Shenango Valley, contributed a poem.

Arts Roundup

'Something's Afoot' premieres tonight

Something's Afoot, a musical-comedy-mystery spoof is opening tonight (Oct. 27) at 8 p.m. at the Playhouse Theatre.

Directed by Helen A. Manfull, associate professor of theatre arts, the show will be presented Oct. 27-29 and Nov. 1-5 at 8 p.m. Because of the unusual complexity of the setting for the production, a guest professional scenic artist, Paul Tankersley, was brought in from New York to help paint the set designed by Ken Holoman, assistant professor of theatre arts.

Two of the play's authors, James McDonald and Robert Gerlach, will be in residence at Penn State Nov. 3-5 as visiting fellows of the Institute for the Arts and Humanities Studies. The public is invited to a coffee hour for them at 4 p.m. on Nov. 4 in Room 128 Arts Bldg. There will also be a critique of the production following the Friday, Nov. 4, performance at 10 p.m. in the Playhouse.

Dettra to present recital

Pianist Philip Dettra, who has been on leave of absence from the University for the past year, has returned to his position as an assistant professor of music and will present his first recital of the season at 8:30 p.m. Wednesday, Nov. 2, in the Music Bldg. recital hall.

Mr. Dettra has sonata two major works for the recital, Brahms' Sonatas No. 5 in F Minor and Book One of Debussy's Preludes. His decision to include the Debussy pieces, he notes, grew out of his leave, which he spent studying with pianist Paul Dugueure, one of the great interpreters of French piano music.

Student ceramics show

Super Mud '77, a student ceramics invitational exhibition, opens at the Zoller Gallery Sunday, Oct. 30, and will continue there through Nov. 12. The exhibition coincides, in part, with the annual Super Mud conference, which will be held at the University Nov. 3, 4 and 5.

Funding Sources

For further information, call 865-1372

(291-2) The NSF Science Faculty Professional Development Program (for the improvement of college science, mathematics, and engineering teaching) has a Dec. 16 deadline. The program is designed to help two-year and four-year college and university science teachers involved in undergraduate science instruction. Awards are offered to U.S. science teachers to pursue research or study at institutions of higher education or in industrial or other nonacademic laboratories. (See SE 78-28)

(291-2) A selection of Dec. 1977 deadlines follow by category. Detailed information is available.
(1) Arts/Humanities/International — AAUW fellowships; Scandinavian fellowships and grants; IBEX exchanges and grants; Japan Foundation grants and fellowships; NEA small presses, design, fellowships,

Elven schools have been selected for inclusion in the student invitational. They are Bennington, Hunter and Moore Colleges; the Universities of Colorado and Massachusetts; Purdue, Penn State, San Jose State and Tulane Universities; the Sun Valley Center for the Arts and Humanities; and the School of the Museum of Fine Arts-Boston.

Brass Choral concert Oct. 28

Penn State's Brass Choral will appear in concert at 8:30 p.m. Friday, Oct. 28, in the Music Bldg. recital hall.

The program will include selections of contemporary American brass music and English brass band music, collected by director James Benshoof under grants from the Institute for the Arts and Humanities Studies.

Jazz Festival opens Nov. 4

The Artists Series, in cooperation with the Penn State Jazz Club, is sponsoring a weekend of jazz Friday through Sunday, Nov. 4, 5 and 6. Featured in this jazz festival will be such jazz greats as George Benson, The Preservation Hall Jazz Band and the Billy Taylor Trio.

In addition to these concerts, workshops and a jazz film festival are scheduled for Sat., Nov. 5, and Sun., Nov. 6, in the HUB with Billy Taylor acting as master of ceremonies.

Other performers scheduled to participate in these activities will be The Preservation Hall Jazz Band, The Dance Band, Third Stream, and Art Goldstein, jazz pianist.

The schedule of concerts for the three days includes: George Benson, Friday, Nov. 4, in Recreation Bldg.; The Preservation Hall Jazz Band, Saturday, Nov. 5, in Recreation Bldg.; and the Billy Taylor Trio, Sunday, Nov. 6, in Eisenhower Auditorium. Mr. Benson's concert is at 9:15 p.m. and the other two are scheduled at 8:30 p.m. A brochure with a complete listing of workshops and films is available at the HUB Booth, Eisenhower Auditorium and the Artists Series office in Pine Cottage. Tickets are on sale at the HUB Booth.

cities, cultural resources, NEH translations, consultants, curriculum materials, fellowships; Indian studies, CIES teachers and research, Indo-American fellowships.
(2) Science/Energy — NSF — metabolic, regulatory, developmental, and genetic biology; biochemistry; biophysics; CAUSE; EHVIST; women in science; US Japan and US-Latin American cooperative; SEED; earth sciences; computer science research; teacher science education; engineering initiation grants; NATO postdoc; handicapped in science; postdoc fellows; ERDA — graduate energy-related traineeships.
(3) Health/Mental Health — Runyon/Winchell Cancer Fund; HSA child health and crippled children research; NIH Fogarty research fellowships; NIA nutrition and aging; NCI young investigator research; HRA long term care research.
(4) Urban/Community Development — Commerce travel service; Labor doctoral dissertation and CET& research; Truman public service grants.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by private grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been exempted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Nov. 3. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

PROGRAMMER — Hershey Conduct analyses and studies for less complex system requirements; develop block diagrams and logical flow charts for such systems. Convert logical flow charts to language processable by computer. Confer with supervisor and representatives of other departments concerned with program to resolve problems by program intent, output requirements, input data acquisitions, etc. Test, check and diagnose and correct standard computer programs. Complete documentation of program development and subsequent revisions. Prepare written instructions for operating personnel during production runs. Revise and refine, as required, procedures throughout the program that is formally established. An associate degree in computer science, plus two to three years of directly related experience, or a bachelor's degree in mathematics or a related field, plus one to two years of directly related experience



Cutting a ribbon to dedicate Capital Campus's new multi-purpose building on Oct. 19 are, from left: Capital Provost Robert E. McDermott; George D. Wolf, dean of faculty at Capitol; President John W. Oswald; Provost Edward D. Eddy.

Penn State Intercom

News in Brief

No telephone system changes being accepted

Telephone Services would like to remind faculty and staff that no changes in telephone service can be accepted between Nov. 1 and Jan. 3 because of revisions to be made in the system during December.

Bell Telephone must program the computer in their office prior to the actual change of service. Any additions, deletions, or changes will affect this procedure, causing service problems at cutover time. Requests for service changes will be accepted again after Jan. 3.

The cooperation of the University community is asked during the changeover to the new Centrex system. Complete instructions for using the new system will be issued in December.

Values symposium Nov. 7

Richard L. Morrill, executive assistant to the Provost, will speak on "Values, Relativism and Higher Learning: Defining the Issues" at 8 p.m. on Monday, Nov. 7, in the Human Development Living Center. His talk is sponsored by the Interdisciplinary Symposium on Value. Dr. Joseph C. Flay, associate professor of philosophy, will serve as respondent.

Faculty members and students from all areas of study who are interested in participating in the symposium are invited to contact Prof. Henry C. Johnson, Room 406 Rackley Bldg., 865-1487.

Free U seeking instructors

Any staff or faculty member interested in teaching a course at the Free University during winter term should send in a course description by Friday, Nov. 11. Forms are available in Room 223 HUB, 863-0038.

The Free U will sponsor a course in practically anything. Courses are not offered for credit and may start any time during the term. Based on past experience, Free U veterans say that short

(continued on page 6)

University alumni urged to contact legislators

More than 100,000 University alumni living in Pennsylvania are being asked to urge their legislators to "work toward an early and equitable solution to the fiscal dilemma which faces not just Penn State and other colleges and universities, but the entire Commonwealth."

The request was made in a letter sent to the alumni from the Executive Board of the Penn State Alumni Association. The Alumni Council and Executive Board met at University Park Oct. 28-29.

"Clearly, any solution is going to require bipartisan compromise," the letter reads. "Penn State students and programs — and ultimately the taxpayers — are being hurt by the delay."

"Will you make a special effort to contact your local legislators and urge their support in providing the monies necessary to fund Penn State and other universities? It is important that they

understand the tremendous additional costs that are occurring as a result of the delay in solving this crisis."

The letter mentions the interest costs which have mounted because of borrowed funds and states that "the executive board of the Alumni Council has met with Penn State President John W. Oswald to express to him our support and to tell him of the strong support of tens of thousands of Penn State alumni."

The letter is signed by Edward R. Book, president of the Alumni Association and president and chairman of HERCO, Inc.; Hershey; Grant R. Ackerman, of Pittsburgh, president of the Undergraduate Student Government; Barbara Hackman Franklin, commissioner, U.S. Consumer Products Safety Commission, Washington, D.C.; J. Lloyd Huck, executive vice president, Merck and Co., Inc., Rahway, N.J.; David J. McAleer, M.D., general surgeon and

vice president of the Delaware County Medical Society, Drexel Hill; Leslie Lewis Montz, public information assistant at the Ogontz Campus, Abington.

Ralph E. Peters, president, Berger Associates, Camp Hill; Jay H. Feldstein, vice president of the Alumni Association and president of Feldstein, Grinberg, Stein and McKee, Pittsburgh; Phyllis Watkins Crabtree, homemaker and teacher, State College; Harriet Curry Grier, headmistress, The Grier School, Tyrone; Owen E. Landon, Jr., president, Landon Associates, Westport, Ct.

Trish Morrison, State College, president, Graduate Student Association; Herbert R. Nurick, attorney, McNeese, Wallace and Nurick, Camp Hill; Stanley G. Schaffer, president, Duquesne Light Co., Pittsburgh; and William H. Sippel, Jr., principal, Deeter, Ritchey, Sippel Associates, Allison Park.

Recruitment, admissions studies review body named

A six-member review committee has been appointed by President John W. Oswald to review various Penn State admissions and recruitment studies made during the past year.

The studies, made by the Office of Budget and Planning, focus on how high school students select a college, Penn State's image among the various groups of students it serves, and what three paecetting institutions are doing in admissions and recruitment. The three institutions are the University of Mississippi, Purdue, and NYU.

The review committee, which is being

chaired by Dr. Richard E. Grubb, vice-president for administrative services, includes Dr. John J. Cahir, associate professor of meteorology; Dr. Thomas G. Fox, dean of faculty at Behrend College; Dr. Eugene J. Kelley, dean of the College of Business Administration; Dr. Richard L. Morrill, executive assistant to the Provost; and Dr. Jacqueline L. Schoch, associate director for academic affairs at the DuBois Campus.

The purpose of the studies is to identify ways to strengthen the recruitment and admissions functions at Penn State in light

of changing enrollment demands.

Dr. Oswald asked the committee to identify recommendations in the studies which they feel "should receive high priority for implementation, as well as recommendations which appear to be sound but which should receive further study prior to implementation."

He also invited the committee to make suggestions for additional steps that might be taken to strengthen Penn State's recruitment and admissions processes.

The committee has been requested to deliver its report by Dec. 1.

Tax deferred annuity plan orientation Nov. 7-11

All full-time faculty and staff members of the University are eligible to participate in a program which allows them to set a portion of their salary aside for savings or retirement income and reduce their income tax obligation at the same time.

Currently, nearly 1,000 faculty and staff members are participating in this unique

savings program, which is known as the tax deferred annuity plan. For those employees who are not participating but are interested in learning more about the program, the University has arranged for an orientation week running from Nov. 7 through 11 for the dissemination of tax-deferred annuity information.

During this one-week period, representatives from two of the participating insurance companies, The Equitable Life Assurance Society and the Variable Annuity Life Insurance Company (VALIC), will be in University Park or State College for individual

(continued on page 6)



Works by master potter Kenneth Beittel, professor of art education, are at the Museum of Art Nov. 4-Dec. 21.

Photo by Gerald Lang

Penn Staters

Dr. Richard C. Nelson, professor of physical education and director of the Biomechanics Laboratory, has received the Philip Noel Baker Research Award for 1977 from the International Council of Sport and Physical Education. He is the first American ever to receive the award, which honors men and women who, through their scientific work as well as through their contributions to the International Council, merit recognition.

Dr. Nelson, who is president of the International Society of Biomechanics (founded at Penn State in 1973), is co-author of the book, *Biomechanics of Sport: A Research Approach*. He has served on the University faculty since 1964.

Dr. Robert E. Andreyka has been appointed head of the Division of Occupational and Vocational Studies in the College of Education. He has been serving as associate head of the division since he came to Penn State last year from Florida State University, where he was associate professor and program leader of vocational education. He previously taught at Ohio State University, the University of Akron and Kent State.

A native of Barborton, Ohio, Dr. Andreyka received his B.S., M.Ed. and Ph.D. degrees at Kent State.

Dr. C. Max Lang, professor and chairman of comparative medicine and director of the animal resource facility at Hershey, has been named chairman of the National Research Council's Committee on Laboratory Animal Facilities and Resources. The committee will gather information on the administration, personnel needs, equipment, costs of animal care and projected needs of laboratory animal facilities across the United States.

Bonnie M. Johnson, assistant professor of speech communication, received the Emerging Scholar Award of the Speech Communication Association of Pennsylvania. Dr. Johnson received the award for her book, *The Process of Organizing*, published this year by Allyn and Bacon. In addition to authoring articles for various professional journals, she serves on the editorial boards of Communication Quarterly and Communication Monographs. Dr. Johnson received her B.A. from Texas Christian University and her M.A. and Ph.D. degrees from SUNY-Buffalo.

The Emerging Scholar Award is presented annually to a speech communication educator in the first five years of professional affiliation.

Dr. Nunzio J. Palladino, dean of the College of Engineering, has been named vice president of Argonne Universities Association (AUA) by that group's board of trustees. He will also serve as acting president of the association until a full-time president assumes office, no later than March 31, 1978. AUA, of which Penn State is a member, is a non-profit corporation designed to foster scientific research through participation in the three-part contract for management and operation of Argonne National Laboratory, Argonne, Ill.

Dr. H. K. Henisch, professor of physics, was invited by the Hebrew University, Jerusalem, to serve as a consultant on a project involving semiconductor surface physics, sponsored by the U.S.-Israel Binational Science Foundation. During his one-week visit, Dr. Henisch also lectured at the Racah Institute of Physics in Jerusalem and at the University of Tel Aviv on the subject of his own researches into semiconductor contacts.

Dr. M. Albert Vannice, associate professor of chemical engineering, presented the keynote address at the 5th Canadian Symposium on Catalysis, held at Calgary Oct. 26. The title of Dr. Vannice's address, which he also presented at Stanford University on Oct. 28, was "The Catalytic Synthesis of Organic Compounds from CO and H₂."

Dr. L. G. Austin, professor of materials science and chairman of the mineral processing section, served as principal lecturer for a five-day course entitled "Grinding: Theory and Practice," given at the University of Witwatersrand in South Africa. The course was sponsored by the South African Institute of Mining and Metallurgy. Dr. Austin also presented a seminar at the University of Durban.

Dr. Alfred L. Bortree, professor and head of the Department of Veterinary Science, has been elected first vice president of the Pennsylvania Veterinary Medical Assn. He will take office in the 850-member professional organization on Jan. 1.

Dr. Elliot Vesell, professor and chairman of pharmacology and assistant dean for graduate education at Hershey, was the John C. Krantz Jr. Annual Endowed Lecturer in Pharmacology at the University of Maryland School of Medicine last month. His topic was "Pharmacogenetics: The Individual Factor in Drug Response."

Dr. J. Larry Duda, professor of chemical engineering, presented a seminar on "Molecular Diffusion in Polymer Solutions" to the Department of Chemical Engineering at Princeton University and to the Institute of Paper Chemistry at Appleton, Wisc., last month.

Dr. Hans Panofsky, Evan Pugh Professor of atmospheric sciences, recently presented a paper, "Scaling in the Convective Boundary Layer," at Riso National Laboratory, Roskilde, Denmark.

Jared K. Tyson, associate Adams County Extension agent, has been named winner of the 1977 State Achievement Award presented by the National Association of County Agricultural Agents. The awards are given annually to a member of the University's Cooperative Extension Service with less than 10 years of service who has demonstrated outstanding ability to conduct innovative educational programs.

Graham B. Spanier, associate professor of human development and sociology, has been elected to membership in the International Academy of Sex Research. The academy has a worldwide membership of 150 researchers who have distinguished themselves for their contributions to the study of sexual behavior, interaction, and development in humans and primates. Membership is multidisciplinary, with researchers having been elected from the fields of biology, medicine, anthropology, sociology, psychology and genetics.

Dr. Barbara Raffel Price, assistant professor of law enforcement and corrections, has been elected to the executive board of the American Criminology Society to serve as executive counselor for a three-year term.

Bookshelf

Dr. Richard L. Frautschi, professor and head of the Department of French, is one of three specialists who collaborated on a bibliography of French prose fiction recently published by Mansell Information/Publishing of London and Paris. Entitled *Bibliographie du genre romanesque français, 1751-1800*, it is the first

such publication to cover the second half of the Enlightenment period.

Dr. Frautschi's colleagues on the project were Angus Martin, of Macquarie University, New South Wales, and Vivienne Mylne, of the University of Kent, Canterbury. A supplement is projected for publication in 1979.

Although the bibliographers had expected to find most of their titles in western Europe when they undertook the project ten years ago, they discovered an unexpectedly strong demand for French prose fiction of the period in central Europe, with many volumes having been printed or sent there. In all, 2,449 original works and 4,680 re-editions have been identified to date.

Dr. Robert J. Maddox, professor of history, has written a book about the U.S. intervention in Siberia in the summer of 1918. President Woodrow Wilson's justification for sending an expeditionary force to Siberia was that the troops were to protect Czechoslovakian soldiers trapped there after the Soviet Union signed a separate peace treaty with Germany. But some historians, Dr. Maddox among them, have argued that the real mission was to undermine the Bolshevik government, then coming to power.

In his book, *The Unknown War with Russia*, he contends that President Wilson shaped the course of modern Soviet-American relations when he sent the troops to Siberia because the action convinced Russian leaders, notably Josef Stalin, of the duplicity of capitalist nations.

The book was published by Presidio Press of San Francisco.

Dr. Rio Preisner, professor of German, has just published the first of two volumes of essays, entitled, *Aspekte einer provokation ischeischen Germanistik*, in the Colloquium Slavicum series, edited by H. Kunstmann, University of Munich, and V. Setchaker, Harvard University. This book is of interest not only to critics of German literature, but also to Slavists, political scientists and philosophers.

The first volume contains, among other essays, a detailed analysis of the demise of German literary criticism in Czechoslovakia. In this study, Prof. Preisner shows how the inability of Czech intellectuals to comprehend until too late the fateful contradictions in German idealism and their rejection of Austrian cultural universalism helped lead to political catastrophe.

In another essay in the book, Dr. Preisner discusses the authenticity of a recently discovered (1965) Kafka manuscript.

Prof. Preisner is recognized internationally for his book and articles on Johann Nestroy, a prominent 19th-century Austrian playwright, and for his philosophical and political writings, including a two-volume study on the origins of totalitarianism. In his current book, he analyzes Nestroy in his role as the creator of "the tragic farce," a very special dramatic form which expresses certain features of life under totalitarian regimes.

Dr. Terry J. Peavler, assistant professor of Spanish and comparative literature, is the author of *Prose Fiction Criticism and Theory in Cuban Journals: An Annotated Bibliography*, which has been distributed in monograph-form to the membership of the Latin American Studies Association. The cross-referenced bibliography is intended to make hard-to-find Cuban publications accessible to foreign scholars.

The Department of English at the University now has its own collection of readings for students enrolled in English 20, a required freshman course.

The Penn State Reader: 20, in use for the first time this term, was compiled from suggestions submitted by faculty members. Although it includes selections from early writers, modern pieces are

emphasized and there are readings from Jacob Bronowski, A. J. Liebling, Walter Lippmann, and other contemporary writers.

The reader was edited by **Douglas B. Park**, director of freshman English, and **Edward M. Uehling**, formerly a Penn State graduate assistant.

"The department thought there was a need for a collection of readings designed specifically for English 20," Dr. Park explains. "The commercial anthologies are so concerned with reaching a broad market that they sometimes don't meet the needs of a particular course."

The reader was in preparation for about one year and is sold at cost, well below the price of nationally marketed readers. Many of the selections included in it have not been used previously in anthologies.

The project was supported by a Course Improvement Grant from the Office of Undergraduate Studies.

School contact register set up

University Provost Edward D. Eddy requests that all faculty and students who contemplate making contact with schools in the Centre region for any University related purpose register their intentions with Dean Madison Brewer, Room 278 Chambers Bldg., 865-2523, prior to the contact.

Officials from nearby schools have recently voiced concern over the character and extent of the requests they have been receiving for interviews, conferences, observation of classes, the use of students and teachers as subjects for studies and experiments, etc. The point is not that they do not welcome opportunities to relate in these ways to the University community, but rather that they are concerned about the relative extent to which the time of students, teachers, and administrators is allocated to these activities. There is also concern over compliance with government regulations regarding the use of human subjects.

Dean Brewer will provide those intending to make such contacts with information that might be relevant to their arrangements. This might include the volume of present contacts with a particular school, the nature of recent requests, the reaction of school officials to previous requests of a similar nature, etc.

Faculty and students may register their intention to contact the schools by phone, mail, or by visiting Dean Brewer's office in person. The information requested on registration will include the dates when the proposed project would be carried out, the approximate number and category of school personnel that would be involved, the kind of action requested of such personnel, the amount of time that would be required of them, and the plans for handling any data gathered, including publication plans.

According to the State College Area School District, the following Colleges encourage student-school district contacts: Human Development; Education; Health, Physical Education and Recreation; and Liberal Arts.

Department of Public Information and Relations
Room 312 Old Main
University Park, Pa. 16802
Telephone: (814) 865-7517

INTERCOM is an international communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

University Park Calendar

Nov. 3 — 13

Special Events

Thursday, Nov. 3

Super Mud Opening Reception, Maria Martinez, 1:30-3 and 7:30-9 p.m., HUB.
FSHA, Norwegian seafood dinner, Maple Room, Henderson. For reservations, phone 865-7441.

Phi Mu Alpha Brotherhood recital, 6 p.m., Room 112 Kern.

PSU Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

Sigma Xi lecture, Robert Sprague, director, Institute for Child Behavior and Development, University of Illinois, on "Ethics of and Litigation about Human Research," 8 p.m., HUB main lounge.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series, The Chamber Music Society of Lincoln Center, 8:30 p.m., Eisenhower Auditorium.

Friday, Nov. 4

Super Mud, firing of Indian pottery, 3 p.m., HUB lawn, weather permitting.
Public coffee hour with playwrights James McDonald and Robert Gerlach, visiting fellows IAHS, 4 p.m., Room 128 Arts Bldg.

Sports: soccer, vs. Temple, 7 p.m.
Folk and Square Dance Roundup, 7:30 p.m., Room 123 White.

International Council film, *Burn*, 7:30 p.m., Room 112 Kern.

Pennsylvania Sociological Society plenary session, Roland Peltgen, PSU, and Charles Wright, University of Pennsylvania, on "Third Century Threshold: New Uses of Old Variables," 8 p.m., Keller Auditorium.

PSU Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series Jazz Festival, George Benson, 9:15 p.m., Rec. Bldg.

Nittany Knights benefit, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 5

P.S.O.C. Hiking Division, cross country (bushwhack) backpack, through Sunday.

Jazz Festival, films and workshops, HUB, through Sunday. Complete listing available at HUB booth, Eisenhower Auditorium and Artists Series office in Pine Cottage.

Shaver's Creek Nature Center, Adventure



Maria Martinez, "star" of this year's Super Mud.

Series, children 7 and older, registration necessary — 865-1851, 10 a.m.-3 p.m., Stone Valley.

Sports: women's volleyball, vs. Pennsylvania, 2 p.m.

PSU Thespians, *Her Fatal Beauty*, 8 p.m., Pavilion Theatre.

University Theatre, *Something's Afoot*, 8 p.m., The Playhouse.

Artists Series Jazz Festival, Preservation Hall Jazz Band, 8:30 p.m., Rec. Bldg.

Sunday, Nov. 6

P.S.O.C. Hiking Division, hike on Centre Hall Mountain and the other Greens Valley, 9 a.m., HUB parking lot.

University Chapel service, the Rev. Marcus Meckstroth, Faith United Church of Christ, State College, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Mammals, Skinning and Tanning, 2 p.m., Stone Valley.

france-cinema, *Jules et Jim*, 7 and 9 p.m., Room 112 Kern.

Artists Series Jazz Festival, Billy Taylor Trio, 8:30 p.m., Eisenhower Auditorium.

Monday, Nov. 7

Intramural sports: women's swimming (open): co-ed volleyball (round robin); men's graduate student and faculty staff basketball (round robin) and squash (round robin): entry open. Entry dose, noon, Nov. 10.

Intramural Bldg.

Shakespeare film, *As You Like It* (Czinnet/Olivier), 6:30 p.m., Room 101 Chambers.

Free admission.

Commonsplace Theatre, *Investigation of a Citizen Alone Suspicion*, 7:30 and 9:30 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value.

Richard L. Morrill, executive assistant to the Provost, on "Values, Relativism and Higher Learning: Defining the Issues," respondent: Joseph Flay, philosophy. Coffee, 7:30 p.m., paper and discussion, 8 p.m., Henderson Living Center.

Comp. Lit. Film Series, *Romance and Reality*, Kenneth Clark examines the high Middle Ages and the concept of courtly love, 8 p.m., Room 217 Willard. Free admission.

Leonard Feldman, 'cello, 8:30 p.m., Music

Bldg. recital hall.

Tuesday, Nov. 8

Shakespeare film, *As You Like It* (Czinnet/Olivier), 6:30 p.m., Room 101 Chambers.

Free admission.

Sports: women's volleyball, vs. Pittsburgh, 7 p.m.

france-cinema, *Jules et Jim*, 7 and 9 p.m., Room 112 Kern.

American Society for Metals meeting, Howard Pfeiffer, AMP Inc., a 1956 alumnus, on "Contact Surfaces," 7:30 p.m., Room 301 Mineral Industries.

Graduate Commons, "Perchance to Dream," an improvisational dream theatre presentation, 8 p.m., Room 101 Kern. Free admission.

Graduate Student Day. Dr. Helen Wise, Rep. of the 77th District, will hold an informal discussion of the current budget crisis and how it affects the graduate student population, 8 p.m., Room 112 Kern.

Wednesday, Nov. 9

PSU Press, Association of American University Presses Book Show, 10 a.m.-4 p.m., Kern.

Commonsplace Theatre, *All the King's Men*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, Nov. 10

Board of Trustees meeting, Room 402 Keller.

PSU Press, Association of American University Presses Book Show, 10 a.m.-4 p.m., Kern.

Friday, Nov. 11

Board of Trustees meeting, Room 402 Keller.

Faculty Women's Club luncheon/lecture. Barbara Hackman Franklin on "The Growth of the Consumer Movement and Current Product Safety Issues," noon, Nittany Lion Inn.

U.S. Air Force Band and Singing Sergeants, 8:15 p.m., Eisenhower Auditorium. Free tickets available on written request to Air Force Band Center, Eisenhower Auditorium. Enclose stamped self-addressed envelope.

Saturday, Nov. 12

Last date for submitting petitions to Records Officer to graduate in absentia in Nov.

Sports: women's volleyball, vs. Slippery Rock and East Stroudsburg, 1 p.m.; football, vs. Temple, 1:30 p.m.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Nov. 13

Sports: men's cross country, Eastern USTFF Championships.

P.S.O.C. Hiking Division, exploration in Little Juniata National Area, 9 a.m., HUB parking lot.

University Chapel service, T. Varindra Vittachi, United Nations, N.Y., 11 a.m., Music Bldg. recital hall. All University Day.

Shaver's Creek Nature Center, Winter Trees and Evergreen Walk, 2 p.m., Stone Valley.

Seminars

Thursday, Nov. 3

Computation Center, "JCL" (3 of 5), introductory programming backboard suggested, 7:30 p.m., Room 112 Osmond.

Friday, Nov. 4

Analytical Chemistry, Charlie Ting on "Electrochemical Modeling of Cytochrome C," 11:10 a.m., Room 333 Whitmore.

Ionosphere Research Laboratory/Meteorology, Thomas A. Seliga, Ohio State University, on "Differential Reflectivity: A New Measurement Technique in Radar Meteorology," 4 p.m., Room 329, EE East.

Monday, Nov. 7

Biochemistry and Biophysics, Charles Nichol, Wellcome Research Laboratories, N.C., on "Comparative Biochemistry Basic to Chemotherapy," 3:55 p.m., Room 101 Alt-house.

Tuesday, Nov. 8

Biochemistry and Biophysics, Charles Nichol, Wellcome Research Laboratories, N.C., on "Dihydrofolate Reductase as a Drug Receptor," 11:10 a.m., Room 101 Alt-house.

Air Pollution Control, Gary W. Malamud, Research-Cottrell, N.J., on "BAHCO Sulfur Dioxide Scrubber," 2:20 p.m., Room 140 Fenske.

Genetics, Melody Leithold on "Exposure to Chemicals and Drugs: A Generational Effect," 3:55 p.m., Room 52 Frear.

Engineering Science and Mechanics/ Biomechanics Program, R. L. Berger, Biophysical Instrumentation Branch, Na-

tional Heart and Lung Institute, NIH, on "Concepts of Dynamics as Part of Biomechanics," 4 p.m., Room 232 Hammond.

Philosophy, Alphonso Lingis on "Khajuraho (Sacred Eroticism in India) (Schemas, Phantasms, Categories)," 4 p.m., Room 101 Kern Bldg.

Psychology, Lloyd Kaufman, New York University, on "The New Animal Magnetism: Magnetic Fields of the Human Brain," 4 p.m., Room 352 Moore.

Wednesday, Nov. 9

Agricultural Economics, Dan Bromley, University of Wisconsin, on "The Economics of Property Rights and Public Choice," 10 a.m., Room 301 A Ag. Admin. Bldg.

Fuel Science, George R. Romovack, Koppers Company, Monroeville, Pa., on "Pitch as a Binder and Carbon Precursor," 4 p.m., Room 301 Mineral Industries.

Inorganic Chemistry, Wayne Gladfelder on "Molecular Dynamics of Mixed-Metal Clusters," 8 p.m., Room 333 Whitmore.

Thursday, Nov. 10

Chemistry, Herbert C. Brown, Purdue University, on "The Nonclassical Ion Problem," 12:45 p.m., Room 333 Whitmore.

Physics, V. Celli, University of Virginia, on "Semi-Classical Theory of Atom-Surface Scattering," 3:50 p.m., Room 117 Osmond.

Ecology, Douglas E. Gill, University of Maryland, on "Meta-Population Dynamics of Red-Spotted Newts, or Why Do Newts Love Beavers?" 4 p.m., Room 112 Kern.

Meteorology, Erik Peterson, Riso National Laboratory, Denmark, on "A Stochastic

Model of a 700,000 Year Temperature Record," 4 p.m., Room 112 Walker.

Friday, Nov. 11

Analytical Chemistry, Lance Rose on "Chemical Identification and Quantitation of the Oak Leaf Roller Pheromone Complex," 11:10 a.m., Room 333 Whitmore.

Ceramic Science, Hiroshi Abe, Asahi Glass Company, Ltd., Yokohama, Japan, on "Corrosion of Silica Brick by Sodium Chloride Vapor," 11 a.m., Room 301 Mineral Industries.

Model of a 700,000 Year Temperature Record," 4 p.m., Room 112 Walker.

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The butterfly didn't do it — he's just been murdered in this scene from "Something's Afoot," now being performed at The Playhouse Theatre. David Garfield plays the butterfly. Cheri Chenoweth discovers the body.

Exhibits

Chambers Gallery: Hugh Stumbo, collages and Jack Troy, ceramics, through Nov. 11.

Hammond Gallery: Neil Feather and Marilyn, ceramics, through Nov. 13.

HUB Gallery: Paul O'Hara, sculpture; Joan Sonnenberg, prints.

Kern Commons Gallery: Edward S. Curtis, photogravures of North American Indians, through Nov. 5; American Indian Cultural exhibit, and "Derivations," photo-graphs, both through Nov. 12.

Museum of Art: Lanny Sommers, poster art. Kenneth Beittel, recent works, and John Koch, Models and Moments, both open Nov. 6.

Museum of Art HUB Gallery: Super Mud Master Works.

Zoller Gallery: Super Mud Student Invitational.

The current general education requirements, popularly known as BDR II, were passed by the University Faculty Senate on July 18, 1972. This legislation specified that these requirements should be reviewed during the 1976-77 academic year for the purpose of determining whether or not they were still satisfactory. To this end, the Chairman of the University Faculty Senate convened an Ad Hoc Committee on Feb. 1, 1977, and charged it with a review of the BDR requirements.

At an early time, the committee agreed that its work should be divided into two phases. Since many members found the basic concepts for general education as specified in the 1972 legislation acceptable, Phase I of the review focused on operational problems, with the goal of recommending operational adjustments. Some members, however, questioned the BDR II concept, its philosophical foundations, and its appropriateness for general education at Penn State. From this perspective, the second phase of the committee's deliberations would involve the search for a conceptual framework on which to build general education requirements appropriate to the University for 1977 and beyond.

Following this strategy, the principal work of the committee during the spring of 1977 was to identify problems with BDR II and develop recommendations for improvement. The first task in identifying problems was to make a detailed analysis of how the BDR II requirements have been met by the ten University Park colleges. Twenty randomly selected transcripts from each college covering each major provided the raw data. In addition, each associate dean for instruction was interviewed, and student councils and colleagues were contacted. These efforts enabled the committee to identify a number of problems from which broad needs were synthesized: rigor should be maintained, a new consistency should be introduced and specificity should be improved.

Recommendations addressing these deficiencies follow:

A. Courses taken to meet BDR requirements may not be taken pass-fail.

B. BDR courses shall be offered only by the core colleges; exceptions must be approved by the Senate Curricular Affairs Committee (procedures for the implementation — Attachment 1).

C. There will be a Door Handout at the Nov. 1 Senate meeting (contents appear below) listing courses prescribed for the satisfaction of BDR II.¹ If divisions or departments wish to offer other courses for the satisfaction of the BDR requirement, then application should be made to the Senate Curricular Affairs Committee.² No course may be used for more than three credits in meeting the BDR requirement.

¹These lists reflect the collective experiences of some 200 students from all colleges and majors in meeting BDR II since its inception. The principle that BDR courses should be given by the core colleges was central in developing these lists.

²The approved list of courses is based on descriptions as given in the 1977-78 catalog. If new courses are added to course categories shown as having blanket approval, i.e., a new Classics course under the Arts and Humanities requirement, such courses must have approval by the Senate Committee on Curricular Affairs.

Attachment 1 Procedures for implementation

Category I. Requests for courses other than core college courses to be included in the BDR.

Category II. Core college course changes and course adds.

Senate Ad Hoc Committee on BDR Review, Phase I Information Report

The report on Baccalaureate Degree Requirements is under discussion by the University Faculty Senate and will come up for legislative action at the Dec. 6 meeting. To encourage debate on its contents, INTERCOM invites faculty at all Campuses to respond, either in writing or on tape, to one or more of the recommendations in the report. Signed written responses of a reasonable length should be mailed to the INTERCOM editor, Room 312 Old Main. Faculty members who are unable to submit a written response may call 865-7519 to request that an INTERCOM staff member tape their comments.

Category III. Programs within which there are courses listed under Baccalaureate Degree Requirements that do not conform to the new list of approved courses.

Category I

1. In the case of a program faculty desiring to have a noncore college course as part of its BDR, a formal request shall be made to the Senate Committee on Curricular Affairs.
2. This request shall include the BDR area requested, course name, description, current outline, statement of suitability from the program area offering the course in question (unless program area is the same as that requesting waiver) and a justification for using the course in the area of request.
3. A course approved in this manner will be available for university-wide use in the BDR area in question and such action will be reported in the "For Information Only" section of the Blue Sheet.
4. Requests for these waivers shall be submitted as soon as possible following approval of this legislation, but in no case later than April 1, 1978.

Category II

1. Each course change or request for a new course originating from one of the core colleges shall address the issue of its appropriateness for one (or more) of the BDR areas.
2. The regular supporting material submitted to the Senate Committee on Curricular Affairs shall address in Paragraph 1 of the justification ("Instructional Objectives") the appropriate BDR area.
3. A decision with regard to any changed course or new course that affects the existing published list of BDR would be announced in the "For Information Only" section of the Blue Sheet.

Category III

1. Program faculty who do not wish to request waivers under Category I shall submit a revised BDR to the Senate Committee on Curricular Affairs as soon as possible following approval of this legislation, but in any case no later than April 1, 1978.
2. The form of this submission shall be the same as for any request for program change as outlined in the "Guide to Undergraduate Curricular Procedures" except that the justification need state only "To Conform with BDR Legislation."
3. All changes will be reported in the "For Information Only" section of the Blue Sheet.

Door handout

The following Proposed List of Courses for Fulfilling the BDR Requirement represents the preliminary thinking of the Committee. It is presented for your

information. This list should stimulate discussion and from that discussion inputs to the Committee.

Copies of this list have been distributed to the colleges for reaction and input.

A final, revised list will be reported in the Senate Agenda for the December Meeting. The Baccalaureate Degree Requirements Review Committee will be meeting during November to prepare this final list. Any questions, comments, suggestions, or input should be submitted prior to Nov. 18. Written communications can be sent to the Senate Office, Birch Cottage.

COMMUNICATIONS (9 credits)

Speech Communications: Only 200
English: Only 10, 20, 30, 117, 119

QUANTIFICATION (6 CREDITS)

Mathematics: All courses except 4, 10, 35, 36, 200, 201, 202, 203, 401, 402, 413, 414, 416, 425, 426, 470, 471
Applied Mathematics: All courses
Computer Science: All courses except 1, 11, 20, 44

Statistics: All courses

Philosophy: Only 12, 212, 428

NATURAL SCIENCE (9 credits)

College of Science:

Astronomy: All except 430

Biochemistry: All courses

Biological Science: All courses

Biology: All courses except 411, 412

Biophysics: All courses

Chemistry: All except 390, 400, 408

Microbiology: All courses except 470

Physical Science: All courses

Physics: All courses

College of the Liberal Arts:

Anthropology: Only 21, 22, 31

Geography: Only physical geography courses (19, 20)

Non-Core College courses accepted for natural science credit:

GSCI: Only 1, 2, 19, 20, 21

METEOR: Only 300, 303, 304, 320

ARTS AND HUMANITIES (6 credits)

American Studies: All

Architecture: All

Art: All

Art History: All

The Arts: All

Chinese: Only 489

Classics: All

Comparative Literature: All

English: All except 4, 10, 20, 30, 117, 119, 407, 408, 410, 418, 491

Folklore: All

French: All except 1, 2, 3, 11, 21, 31, 32, 305, 306, 307, 308, 470, 471, 480

German: All except 1, 2, 3, 4, 12, 15, 16, 201, 202, 401, 411

Greek: All except 1, 2, 3

History: All

Humanities: All except 490

Italian: All except 1, 2, 3, 301, 302

Latin: All except 1, 2, 3, 436, 437

Liberal Arts: Only 200, 450, 480

Linguistics: All

Mathematics: Only 35, 36

Medieval Studies: All

Music: All except 157

Philosophy: All except 12, 212, 428

Polish: Only 100

Portuguese: Only 356

Religious Studies: All except 6, 130, 131, 235, 438, 461

Russian: All except 1, 2, 3, 5, 6, 7, 221, 222, 430

Science, Technology, Society: Only 107, 432, 435

Slavic: Only 100

Spanish: All except 1, 2, 3, 11, 100, 110, 120, 400, 410, 413

Speech Communications: Only 220, 412, 477, 478

Theatre Arts: All except 116, 193, 410, 411, 416, 417, 418

SPECIAL NOTES:

In the cases of History and Linguistics, the intention of the present rule, as interpreted by the Senate, should be continued, viz., if any History course or any Linguistics course is used to fulfill Humanities and Arts requirements by a given student, then that student may not use any other History course or any other Linguistics course, respectively, in order to fulfill the Social and Behavioral Sciences requirements. The rule applies conversely as well.

SOCIAL AND BEHAVIORAL SCIENCES (6 credits)

Anthropology: All except 21, 31, 400, 401, 402, 405, 408, 409, 415

Economics: All

Geography: All except 1, 2, 19, 433, 434

History: All

International Understanding: All

Journalism: Only 200, 240, 301, 302, 401, 404, 405, 419, 422, 436, 444, 468

Labor Studies: All except 104, 411, 457

Linguistics: All

Political Science: All except 409

Psychology: All except 15, 101, 203, 402, 403, 405, 408, 415, 450, 455, 456, 463

Religious Studies: Only 6, 130, 131, 235, 438, 461

Science, Technology, Society: Only 430, 450, 460

Social Science: All

Sociology: All except 321, 420, 457, 458, 470, 473

Speech Communications: Only 210, 230, 320, 410, 419, 431, 440, 450, 475, 490

SPECIAL NOTES:

Geography is included here since it is also a major in the College of the Liberal Arts and has traditionally been considered one of the social sciences. In the cases of History and Linguistics, the intention of the present rule, as interpreted by the Senate, should be continued, viz., if any History or Linguistics course is used to fulfill Social and Behavioral Sciences requirements by a given student, then that student may not use any History or Linguistics course, respectively, in order to fulfill the Humanities and Arts requirements. The rule applies conversely as well.

HEALTH SCIENCES, PHYSICAL EDUCATION, AND HUMAN RECREATION (4 credits)

Food Science: Only 205

Health Education: Only 3, 19, 43, 46, 48, 60, 303, 304, 408, 443

Nutrition: Only 100, 119, 120, 150, 351, 390, 420, 421, 457, 457, 459

Physical Education: Only 5, 9, 10, 100, 109

SPECIAL NOTES:

Courses used to fulfill this general requirement are not offered in any of the "core colleges." The very nature of the requirement necessitates that courses be used from the College of Human Development and the College of Health, Physical Education, and Recreation.

W. R. Ebbitt

J. C. Flay

C. Franklin

D. A. Hodge

M. J. Hostetler

T. D. Larson

S. H. Mann

R. L. McCar

J. L. Schoch

G. Shofst Jr.

K. G. Stoenefalke

W. E. Toombs

Arts Roundup

Super Super Mud

Super Mud, a national ceramics arts conference which is sponsored annually by Penn State, will be held Nov. 3, 4 and 5 on the University Park campus.

Highlighting this year's conference is the participation of the preeminent American potter, Maria Martinez. Mrs. Martinez, a Tewa Indian, will travel to the University from her home in the San Ildefonso pueblo in New Mexico. She will be accompanied by her son, Adam, and her great-granddaughter, Barbara Gonzales, both well known ceramists, who will also be participating in the conference.

Mrs. Martinez is the perfecter, along with her late husband, Julian, of a unique, burnished black pottery form. At the Super Mud conference, she and her family will demonstrate both the throwing of the famous Martinez pots and their firing in an outdoor homemade kiln.

Other ceramists who will be demonstrating at the conference are Robert Winokur, professor of ceramics at Philadelphia's Tyler School of Art, Wayne Higby, professor and chairman of ceramics at Alfred University, which has the country's oldest ceramics program; David Middlebrook, a California avant-garde ceramist; and David Shaner, a Montana production potter. A sampling of their works is on display at the Museum of Art's HUB Gallery.

Nearly all the works in the HUB's Masterworks Exhibition are being offered for sale to the public. As the sale includes the Martinez pieces, it represents a rare opportunity to purchase a collector's item, according to David DonTigny, professor of art and faculty coordinator of Super Mud.

A conference registration of 1,200-1,500 is expected for the three-day event. Admission to the professional demonstrations in Eisenhower Auditorium is open to registrants only. The firing of the Martinez pottery, scheduled for 3 p.m. Friday on the HUB lawn, is open to the public, as is the show in the HUB gallery and a student invitational show in Zoller.

Tarr, Kent on Wednesday series

The Wednesday Music Series sponsored by the Artists Series in cooperation with the Department of Music will present Edward Tarr and George Kent at 8:30 p.m. on Wednesday, Nov. 9, in the Music Bldg. recital hall.

Mr. Tarr, a trumpet soloist, has made over 60 major recordings and has concertized throughout Europe and North America. He founded and directs the Edward Tarr Brass Ensemble, which has won six major awards for its recordings on historical instruments.

Mr. Kent, an organist, is a professor of music at the University of Rhode Island and assistant conductor of the Rhode Island Philharmonic Orchestra.

For their program they have chosen: Sonata No. 3 in C, Fantini; Toccata avanti la Messa degli Apostoli, Frescobaldi; Sonata No. 7 in C, Fantini; Toccata per l'Elevazione, Frescobaldi; Sonata No. 8 in C, Fantini; Etude No. 1, Ligeti; Studies for Trumpet and Computer, Morill; Prelude and Fugue in A Major, Bach; and Three Chorale Preludes, Krebs.

Tickets for the performance will be on sale Monday, Nov. 7, and Tuesday, Nov. 8, at the HUB from 9 a.m. to 4 p.m.

Feldman recital Nov. 7

Cello Leonard Feldman will present a solo recital at 8:30 p.m. Monday, Nov. 7, in the Music Bldg. recital hall.

His selections include Bach's Suite No. 2 in D minor, perhaps the earliest masterpiece written for the cello; the contemporary Cello Sonata in G minor,



Soloists performing at University Park next week are Edward Tarr, above, and George Kent, below, on Nov. 9; Leonard Feldman, at right, on Nov. 7.



opus 65 by Burt Fenner, of the music department; and Zoltan Kodaly's Duo for Violin and Cello, opus 7. Joanne Zagat Feldman will play the violin part in the last piece.

A member of the Alard Quartet, Mr. Feldman is an associate professor of music. He has performed as a soloist with the Pittsburgh Symphony Orchestra and the Rochester Civic Orchestra and has played throughout this country and in Europe with the quartet.

Pops Concert

The Penn State Symphony Orchestra will give a "Pops Concert" to benefit the Performing Arts Scholarship Fund at 8:30 p.m. on Saturday, Nov. 12, in Eisenhower Auditorium.

The All-University Day concert will feature baritone Robert Trehy, who will sing selections from musical scores by Rodgers and Hammerstein, Lerner and Lowe, and Cole Porter. Mr. Trehy has performed with Arthur Fiedler and the Boston Pops, and the Cleveland, Pittsburgh and St. Louis Symphony Orchestras. He is a professor of music at Penn State.

Penn State's orchestra will also perform selections from *Fiddler on the Roof* and the ever-popular "Blue Danube Waltz."

Admission to this special benefit concert is \$3 for non-students, \$2 for students. The proceeds will become part of the newly created Performing Arts Scholarship Fund to aid talented undergraduates who demonstrate outstanding performing ability.

Museum offering John Koch works

"Models and Moments," an exhibition of paintings by the American artist John Koch, will open on Sunday, Nov. 6, in the Museum of Art.

The New York painter, born in 1909, grew up in Ann Arbor, Mich., and studied art independently, spending two



summers in the artists colony in Provincetown, Mass., before living for four years in Paris. He returned to America in 1934.

Most of the work in this show depicts informal scenes in an artist's studio. Typically, the setting is a break when the models and painter are relaxing or conversing. Mr. Koch's paintings encapsulate the entire scene, including the artist and his relationship to his models and their environment.

The exhibit will run through Dec. 21.

Indian cultural exhibit

The Commons Gallery is presenting an Indian Cultural Exhibit through Nov. 12. The exhibit is sponsored by the members of the Native American Administration Program at the University. On display are Indian artifacts and contemporary arts and crafts representing many tribes — turquoise jewelry and sand painting from the southwest; star blankets and jewelry from the Dakotas; clothing, corn husk masks and dolls from the northeast; beading from the midwest; and basketry, clothing and jewelry from the northwest.

Beittel show opens

The artistry of master potter Kenneth Beittel will be displayed in an exhibition which opens Friday, Nov. 4, in the Museum of Art.

Dr. Beittel is a professor of art education at Penn State, where he has taught for 25 years.

He works with clay from Centre County and blends his own porcelain. While on a sabbatical leave, he visited Japan and worked as an apprentice with the Japanese master potter, Manju Inoue.

Dr. Beittel began making pottery in 1946 at Carnegie-Mellon, where he majored in education. He taught at Winthrop College in North Carolina, and completed his master's and doctoral degrees at Penn State.

The Beittel exhibition will run through Dec. 21.

WPSX Highlights

The opulence and self-destructive greed that dominated the Roman Empire under the Claudians is brought vividly to life when Masterpieces Theatre presents *I, Claudius*, a 13-episode dramatization of Robert Graves' novels, beginning Sunday, Nov. 6, at 9 p.m. Derek Jacobi stars as Claudius, who tells the story of his family and of his own rise to the throne. *I, Claudius* may also be seen Fridays at 10 p.m.

Placido Domingo stars when WPSX-TV presents a live broadcast of *Rigoletto* from the stage of the Metropolitan Opera House in New York on Live from the Met Monday, Nov. 7, at 8 p.m.

Tuesday, Nov. 8, at 9 p.m., *Men of Bronze* documents the experiences of Black infantry members who were known as the Men of Bronze during World War I. These soldiers fought in the front lines longer than any other American regiment, becoming the most heavily decorated — and the most decorated — American regiment in the war.

Eva LeGallienne stars when Great Performances presents a 50th anniversary production of *The Royal Family*, George F. Kaufman's and Edna Ferber's comedy about the foibles of an American theatrical family, Wednesday, Nov. 9, at 9 p.m.

Press sponsors book show

Penn State's Press will sponsor the 1977 Book Show of the Association of American University Presses on Wednesday and Thursday, Nov. 9 and 10, between 10 a.m. and 4 p.m. in the Kern Graduate Bldg.

The 32 books in this traveling exhibit were chosen from among more than 200 books submitted by member presses of the association. They were selected to recognize a combination of good design and appropriate production and to suggest the diversity of university press publishing. The display copies will be available for inspection along with a catalog, describing each entry.

Among the books in this year's exhibition is *Aubrey Beardsley: Imp of the Perverse* by Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies. The book was designed at Penn State's Press by Glenn Ruby, and its production was supervised by Janet Dietz. The volume contains 200 illustrations from Beardsley's works.

Funding Sources

For further information, call 865-1372

(292-1) The Office of Education has announced a Dec. 20 deadline date for applications under the Ethnic Heritage Studies Program. One-year projects not to exceed \$50,000 will be funded to develop curriculum materials and to disseminate materials that help students learn the nature of ethnicity and the promotion of ethnic group interactions. Developmental programs of curriculum materials and dissemination programs are also supported. (Ref. OE Announcement) (CEFA 13.549)

(292-2) NSF has announced a Dec. 2 deadline for its CAUSE Program (Comprehensive Assistance to Science Education), designed to encourage the improvement in quality, effectiveness and self-assessment capability of undergraduate science education. Up to \$250K is provided over 3 years to science departments and institution consortiums for 2-year and 4-year colleges and universities. (Ref. SE78-30)

(292-3) NSF has released its FY1979 Guide to Science Education Programs (SE 78-1) including program descriptions and deadlines for fellowships, professional development grants, scientific personnel improvement, science education resources improvement and development and research, and science and society programs; a total of 22 programs.

(293-1) The Secretary of Labor has issued a compilation of regulations for Titles I (manpower services, education, and training), II (public service employment), and VI (public service training) of the Comprehensive Employment and Training Act (CETA). (Ref. 42FR5725-83, 10/18/77)

Editor's note: This is the second of a series of short essays on the subject of interdisciplinary education. The author, Dr. Theodore R. Vallance, is associate dean for research and graduate studies and professor of human development in the College of Human Development.

The main point of this essay is that effective interdisciplinary teaching and scholarship have direct implications for the way a university should be organized. To pursue analysis, research, and teaching of the concepts, the ethics, the motivations, the costs, the power shifts, the effects on family life, and other aspects of a societal problem — such as air pollution or the invasion of privacy through abuses of computer technology — means more than just getting specialists in the related academic areas together temporarily to talk, think, write about, and teach a set of courses about the problem. Effective interdisciplinary work requires special organizational forms.

We now generally accept the truth in the platitude that human problems do not come packaged in the ways universities are organized. They are not the primary domains of established disciplines, and cannot be fully understood, much less be the object of satisfying solutions, through analysis and prescription from the perspective of a particular set of traditional academic skills. Consider one example: teaching mentally retarded people to become independent in getting to and from sheltered workshops, in reading restaurant menus, in knowing health problems and how to act on them. Here is a fairly small proportion of the population, having difficulties not of their own making, and eligible for a normal amount of human compassion. Surely modern society has the means for solving a problem so seemingly small as this. Indeed there are psychological technologies for training slow learners to read and to match feelings and physical signs with health and illness labels. Simply find the specialists with the will and the skill to do the job and provide the money and facilities that are needed!

But, regrettably, simple solutions are often simple-minded and fail to consider

Implications of Interdisciplinary Programs for University Organization

or

Anything that Happens Happens in a Structure

the many other costs and side effects generated by the simple solution. Pursuing the example: What uses of skilled technicians would have to be stopped in order to "solve" this newly salient problem? How much would it cost to generate additional skilled trainers in order to avoid reductions in current uses of them? Is it more important to help this particular group of people than some other equally deserving set? What new taxes might be needed, and on whom should they fall? How does one decide who should be helped? And so on. . . . In asking such questions about a problem and possible solutions, we quickly raise profound issues of ethics, morality, economics, distributive justice, and social structure, as well as the "simple" ones of how to develop the appropriate material, social, or psychological technology to "solve the problem."

How can a university most effectively deal with public policy issues such as these?

A standard response is to create a multi-disciplinary or multi-professional team — and label it a center or an institute — to attend to the problem so long as money or the problem goes away, the team members are returned to their home departments. There have been some successes with this approach to particular problems, but their numbers are small and poorly remembered unless they are institutionalized. Several analysts of university structure, however, have found this approach unsatisfactory

because it produces a transitory group with transitory commitments, and the necessary energies are not evoked; the energy needed for continued analysis and redefinition of the problem and its components — energies and continuities of the sort that produced major scientific and technological breakthroughs — simply cannot be commanded on such an ad hoc basis. These critics argue for a career-shaping organizational form having equal conceptual opportunity and power alongside traditional departments.

I agree with this view and on two grounds recommend that we pay serious attention to how to put carefully selected talents together in ways — meaning organizational forms with financial commitments from the parent institution — that will provide for continuous and rewarding efforts to cope conceptually and operationally with problems that are clearly multidisciplinary in their make-up.

One ground for my argument is conceptually pragmatic: years of working together on related components of a complex problem of broad human concern are needed to evolve the new ideas — the new "interdiscipline" — and the necessary new technologies. This period of work should have grantsmanship as a supporting rather than a central component of an academic program; institutional commitment based on a recognized societal need should free faculty participants to do their jobs and from the task of ensuring organizational survival through money-chasing — and from the risk of having one's goals

changed by the "discovery" of money in a source having only peripheral interests.

The second ground is financially pragmatic. As we are seeing only too clearly, universities are much less popular with legislators than they used to be. Questions of relevance and accountability are constantly heard. Given the urgency of today's and tomorrow's problems and the difficulty and deadly seriousness of the intellectual challenges they pose, can we not find ways to ensure the amount and persistence of multidisciplinary commitment and development that are needed? As one means of using more efficiently the fixed (even shrinking?) resources we have, multidisciplinary and multiprofessional units — institutes, divisions, departments, colleges — on hard money should surely be seen as an important aspect of the university's survival.

How? Space permits one suggestion for argument's sake — others may be as good: First, adopt this hiring goal: Every college at Penn State should have 25 percent of its faculty members at least 40 percent on the budgets of other colleges, or newly designated hard-money multidisciplinary institutes — enough to represent a major multidisciplinary commitment and to foster joint responsibility for career development. Then, adopt this hiring rule for as long as necessary to meet the goal: Each year's replacements should consist of 50 percent of such joint appointments.

Problems and objections? Yes, this would require a much more involved and more selective hiring process than the relatively easy one of just filling a vacated slot. Surely there are many others, and I can think of them, too, the least of them being that it would force changes in departmental offerings and programs. But I also believe that there is enough ingenuity around here to solve these problems. What is needed is the will and agreement that the world is in a serious enough mess and that the university is in a serious enough financial situation that we should strive for still more innovation in how we conduct our own and affect other people's lives.

T. R. Vallance

News in brief

(Continued from page 1)

intensive courses seem to work better than ones offered for a full ten-week term. The longer the course, the more people are likely to drop out when mid-terms and finals roll around. Free U will supply mimeographing facilities and, in a pinch, audio-visual aids.

Calendar alert

Wednesday, Nov. 16, is the deadline for material to be included in the winter term calendar. Submissions should be sent to Lee Morrill, calendar editor, Room 312 Old Main, 865-2501.

Physical Plant cutbacks

A reduction in physical plant work projects, brought on by budget cutbacks in various departments throughout the University, has led to a reduction in the work force.

"The Office of Physical Plant is currently in a situation where there is not sufficient work available to maintain the current number of employees," an Oct. 25 letter to physical plant employees explained.

Some 33 employees were notified that they had been placed on layoff, effective either Nov. 4 or Nov. 7. An additional eight vacant positions will not be refilled. Efforts will be made to place the laid-off employees in other jobs, to the extent that this may be possible, in accordance with union contract provisions.

Early registration experiment to continue

Degree students who preregistered and wish to accept the schedule assigned as a result of preregistration for the winter term may register early and avoid returning to regular registration immediately prior to winter term.

Early registration for winter term will be held from 8:30 a.m. to 4:30 p.m. Nov. 14 through 18 in Room 112 Shields Bldg. In order to register early, a student must present evidence of fee payment, ID Card and Preregistration Schedule (Pink Slip). Students who register early will not be permitted to return to the regular registration at the Intramural Bldg.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network loc. 475-1387). Applications for these staff vacancies will be received until 5 p.m., Nov. 10. Do not contact the AREA that has these VACANCY.

REGIONAL COORDINATOR FOR COOPERATIVE EDUCATION — Beaver Organize, plan and operate Cooperative Education Office and maintain liaison with the University Park Cooperative Education Of-

fice; conduct programs to inform the University community of benefits of Cooperative Education; conduct assessment activities to determine interest of students, faculty and employers toward Associate Degree Cooperative Education offerings; submit periodic and final reports on progress and development of Cooperative Education Project; attend workshops, training programs and professional meetings. Bachelor's degree, or equivalent, plus one to two years of directly related experience in higher education, cooperative education or business and industry.

REGIONAL ASSISTANT DIRECTOR, COOPERATIVE EXTENSION SERVICE — Southeastern Pa. Responsible to the Associate Director for the total Extension program in the region, and for the personnel to conduct such a program. Works closely with those persons at the State level responsible for program development. Serves as a liaison between county personnel and State Extension administration. A minimum of a master's degree is required, but a candidate with a doctoral degree is desired. Six years demonstrated experience in community, adult/youth education is required. Previous experience with the Cooperative Extension Service is desirable.

BUSINESS MANAGER, UNIVERSITY PRESS — University Park. Responsible for the overall planning, development, implementation, and administration of all University Press business and financial operations, including computerized bookkeeping (accounts receivable and accounts payable), accounting, coding, royalty transactions, and budgeting systems and procedures. Supervisory responsibility for accounting, billing, accounts receivable, order fulfillment, warehousing, and management reports. Bachelor's degree in accounting or financial management, with two to four years of directly related experience.

SENIOR ACCOUNTANT, CONTROLLER'S OFFICE — University Park. Responsible to the Assistant Controller for the preparation of the annual Report of the Controller, which includes the Milton S. Hershley Medical Center. Review and calculate third-party hospital cost reports for the Medical Center. Review and calculate third-party hospital cost reports for the Medical Center Hospital. Bachelor's degree or equivalent, plus two to three years of additional accounting experience, including a working knowledge of financial statement reporting and the preparation of fund, hospital accounting, and third-party hospital cost reports. CPA required.

Annuity plan

(Continued from page 1)

consultations. Inquiries about the Equitable plan may be directed by mail, telephone, or in person to: J. Glenn Hawthorne, 301 South Allen St., State College, (814) 238-0664. Representatives from VALIC will be located in Room 324 Hetzel Union Bldg., University Park, (814) 234-3686 during the orientation week.

Information about the third participating company, the Teachers Insurance and Annuity Association (TIAA) may be obtained by contacting the Employee Benefits Division, Room 130 Willard Bldg., (814) 865-1473. This office can also provide interested faculty and staff members with a factsheet which compares the three companies on the basis of several performance factors common to each of the companies. Other printed information provided by each of the companies is also available.

Employees at major locations away from University Park should direct their inquiries to any of the following: the Regional Personnel Officer, the Business Manager, the Personnel Representative, or the Employee Benefits Division. If enough interest is demonstrated at one of these locations, arrangements can be made for the insurance company representatives to be present for on-site group presentations at any time.

At the conclusion of the special orientation week, all of the above sources will still be available. The significance of the orientation week is simply to call special attention to the tax-deferred annuity plan at a time when salary increases (and tax increases) are forthcoming and a new taxable year is only two months away.

Penn State Intercom

Senate receives ad hoc committee BDR report

Do proposed revisions to the University's baccalaureate degree requirements give students needed guidance or simply limit their options?

That question was one of several sparked by a report presented at the Nov. 1 meeting of the University Faculty Senate. The report, which opened discussion on what may become one of the Senate's most controversial issues this year, was prepared by an ad hoc committee charged with reviewing the current general requirements.

Senator Thomas D. Larson, representing the Senate Ad Hoc Committee on Baccalaureate Degree Requirements Review, said the committee didn't expect "to make a Renaissance man" of every student at the University. "But we see no justification for random choices by students. We do think some direction is needed," Dr. Larson said.

The BDR report, which was published in the Nov. 3 issue of INTERCOM, includes three provisions for general degree requirements:

— Courses taken to meet baccalaureate degree requirements may not be taken pass-fail.

— BDR courses shall be offered only by the core colleges, with exceptions being approved by the Senate Curricular Affairs Committee. (The core colleges are the College of the Liberal Arts, the College of Science, and the College of Arts and Architecture.)

— A door handout at the Nov. 1 meeting listed courses prescribed for the satisfaction of requirements. If divisions or departments wish to offer other courses, application should be made to the Senate Curricular Affairs Committee. No course may be used for more than three credits in meeting baccalaureate degree requirements.

In distributing the door handout, a list of courses compiled by the committee, Dr. Larson stressed that it was a preliminary list and that the committee was seeking input from all colleges for the final, revised list.

Sensors Thomas Fox and Michel Small, of the Behrend College, objected that the committee had not taken that college into consideration in its planning, particularly in the recommendation that BDR courses be offered only by the core colleges. Since Behrend is not a core college, Dr. Fox said, it would have little input in the determination of degree requirements for its students.

Dr. Fox also said that when the committee's report comes up for legislative action at the Dec. 6 Senate meeting, Behrend representatives will propose that Behrend not be covered by the proposal.

Speaking in favor of the BDR proposals, Senator Robert W. Frank said that he anticipated similar action being taken at other major universities over the next several years and that he would like to see Penn State in the vanguard.

President Oswald spoke briefly at the meeting, telling the senators he doesn't feel any closer to a solution of the State funding crisis now than he did when he

(Continued on page 4)

November 10, 1977

An Open Letter to the Penn State Community:

Penn State is in the midst of one of the worst financial crises in its history. With the fiscal year already in its fifth month, the University has not received one cent in State appropriations. To deal with this crisis, we need your help.

Along with instituting many internal austerity measures, the University — to continue operating — has had to borrow more than \$36 million to date. Interest costs are now running \$4,000 per day and are mounting each month. By the end of November, we will have paid approximately \$325,000 in interest charges. These interest charges — which take money away from the educational programs — will ultimately be borne by students, their families and other taxpayers.

The absence of State funding places in jeopardy the ability of Penn State to continue orderly operations of its programs and services. On November 14, the General Assembly will return from its recess to continue deliberations. Penn State has not advocated any single solution to the crisis, but we have pleaded continually for an early and equitable solution. Some believe an increase in taxes will be essential if the problem is to be solved. Others feel that at least some of the revenues can be made available from existing sources. Bipartisan cooperation is indispensable for a solution.

Because of the gravity of the situation and the stake every member of the Penn State community has in this matter, we are asking for your help.

To the students: The quality and continuation of your education are at issue. Take ten minutes out tonight or tomorrow to write your State Senator and Representative to voice your concern. While at home during the term break, ask your parents to write, call or visit their Harrisburg representatives. (A letter will also be going to your parents urging their help.)

To alumni: You have already received a letter from the Alumni Executive Board asking you to contact your legislators about Penn State's crisis. We urge you to followup on this request as soon as possible.

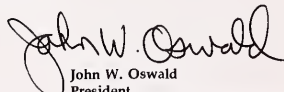
To faculty and staff members: Acting in your role as a private citizen and taxpayer and using your personal stationery, do join us in writing your legislative representatives urging them to provide the full funding needed to maintain Penn State's programs.

To people of the Centre Region: We ask you to contact your Senator and Representative. You are aware of the interdependence of the University and the local communities of which we are all a part. The University employs, full- and part-time, approximately 14,000 people from State College, Bellefonte, Tyrone, Philipsburg, Lewistown, Pleasant Gap, Milesburg, and many other communities. The magnitude of the economic impact of the University to this area is enormous. Just two figures: The annual payroll of the University Park Campus alone is \$130 million. In addition to the \$130 million payroll, the University's purchases of goods and services, along with the spending of 32,000 students, add more than \$75 million per year to the economy of the region.

Will each of you — students, alumni, faculty, staff and Centre Region citizens — take ten minutes out today or tomorrow to write your local legislators and the leadership of the House and Senate, urging them to find an early and equitable solution for full funding of Penn State's appropriation? Thank you.



William K. Ulerich
President
Board of Trustees



John W. Oswald
President
The Pennsylvania State University

(A list of Centre Region legislators and the House and Senate leadership appears on page 4.)

News in Brief

Nobel laureate to give Althouse Lecture

Dr. Baruch S. Blumberg, 1976 Nobel Prize winner in physiology or medicine, will deliver the fourth annual Paul M. Althouse Memorial Lecture at Hershey at 4 p.m. on Thursday, Nov. 17, in the hospital auditorium.

Dr. Blumberg's topic will be "Studies of Hepatitis B Virus: Scientific Method and Clinical Research." The program is open to all interested persons.

The lectureship, established in February 1974, honors Dr. Althouse, provost of the University at his death in 1972 and previously a professor of biochemistry, director of general education and vice president for academic affairs.

Dr. Blumberg, who was awarded his Nobel Prize for "discoveries concerning new mechanisms for the origin and dissemination of infectious diseases," is associate director for clinical research at the Institute for Cancer Research at Fox Chase, Pa., and professor of medicine and anthropology at the University of Pennsylvania.

Hazleton, Chapel choirs to sing

In celebration of All-University Day, the Hazleton Campus Choir will join the University Chapel Choir for a special interdenominational chapel service at 11 a.m. on Sunday, Nov. 13, in the Music Bldg. recital hall.

The Hazleton Choir will sing "Green Fields", and join with the University Chapel Choir in singing Schultz's "Alleluia" and "O Clap Your Hands", a spiritual by Vaughan Williams. Raymond Brown will direct the combined choirs.

The guest speaker at the service will be T. Vanindra Vittachi of the United Nations Fund for Population Activities. Mr. Vittachi's lecture is entitled "A View of Human Rights for a New Era," and is the final fall term lecture based on the theme of human rights in the 1970s.

The Rev. Charles L. Coleman, program director of religious affairs, will be the liturgist for the service.

More than 2,000 to graduate

Nearly 1,850 graduates will receive their degrees at commencement exercises on Saturday, Nov. 26. Students qualifying for degrees at Capitol Campus,

Middletown, and Behrend College, Erie, will bring the number of fall term graduates to more than 2,000.

J. Luther Snyder, of Camp Hill, representing the Board of Trustees, will join President John W. Oswald in conferring the degrees at the University Park exercises, scheduled for 10:30 a.m. in Recreation Bldg.

At the University Park exercises, 1,152 seniors are scheduled for baccalaureate degrees, while 212 students who will have completed two-year programs at the Commonwealth Campuses will be graduated with associate degrees. Among the 476 graduate students are 353 who will receive a master's degree, 109 who have earned a doctor of philosophy degree, and 14 who will receive a doctor of education degree.

Approximately 175 degrees will be conferred Dec. 3 at the Capitol Campus, and five seniors at Behrend College will qualify for baccalaureate degrees.

Package limits set

Because of time and space limitations on University interdepartmental mail truck routes, it has become necessary to establish a policy (AD-13) concerning the pick up and delivery of packages and

(Continued on page 4)

Penn Staters



William G. Noyes, assistant professor of music education, has reached his 25th year of service to the University.

Mr. Noyes did his undergraduate work at SUNY at Fredonia and continued his graduate training at Penn State, where he was awarded an M.Ed. degree in 1953. Before coming to Penn State in 1952, he taught general and choral music in public schools in New York state.

After completing high school in his hometown of Newburgh, N.Y., he served in the U.S. Army Air Force as a WW II pilot, flying transport missions over the "Hump" in the China, Burma, India Theater. In 1961-62 he returned to the Air Force, serving in the Berlin Wall mobilization in Germany. He is a Lt. Col., retired, in the U.S. Air Force Reserve.

While at Penn State, he has specialized in elementary and secondary general and choral music education and served on numerous committees and workshops. He is the announcer for the Penn State Blue Band.

Mr. Noyes has also arranged choral music and conducted public school choral festivals as well as community choral groups.

Dr. Fred Rapp, professor and chairman of microbiology at the Hershey Medical Center, has been awarded the first Frontiers in Biomedical Research award, established last spring by Drew University and the pharmaceutical division of Ciba-Geigy Corporation. The award, which carries a cash stipend and a plaque, was also presented to Dr. Robert C. Gallo, chief of the National Cancer Institute's cellular biology lab. Dr. Rapp serves as associate provost and dean for health affairs and as director of the specialized cancer research center at Hershey.

Dr. Robert Lindsay, professor emeritus of metallurgy, has received the 1977 Albert Easton White Distinguished Teacher Award of the American Society for Metals. The award recognizes "unusually long and devoted service in the teaching of metallurgy, which is characterized by the ability to inspire and impart enthusiasm to students as well as by metallurgy accomplishments."

Dr. Lindsay, who retired from the Penn State faculty in 1972, has contributed a great deal to the fundamental understanding of steels and cast irons, and has supervised the work of more than 40 graduate students.

Previously unpublished work from the notebooks of an early French journalist has been edited by Dr. Isabelle Armitage, assistant professor of French, and published as *Fragment des Recueils de Pierre de L'Estoire*. The book is included in the University of Kansas Humanistic Studies series.

As grand audienier of the Paris Parliament, Pierre de l'Estoire (1546 to 1611) served as notary and secretary to the king and also had a close association with the French Parliament. His descriptions of what he observed during the reigns of Henry III and Henry IV and the beginning of the reign of Louis XIII have long been

considered a lively and accurate record of the times.

Included in the manuscript fragment edited by Dr. Armitage are letters, one satire piece, four stories, a long poem and other writings, mostly of a political nature. The notebooks from which the materials were taken are part of the collection at the Kenneth Spencer Research Library of the University of Kansas.

Dr. Eugene W. White, professor of solid state science, has taken early retirement after more than 19 years on the faculty. Affiliated with the University's Materials Research Laboratory, he is the co-inventor with his nephew, Rodney A. White, M.D., and the late Dr. Jon N. Weber, professor of marine geology at Penn State, of the patented Replamineform process by which skeletal microstructures of selected marine invertebrates can be reproduced in a wide range of biomaterials for repair of and implantation in the human body.

He received a B.S. in mineralogy in 1955, an M.S. in mineralogy and petrology in 1958, and a Ph.D. in solid state science in 1965, all at Penn State.

New ruling on foreign students

Editor's note: The Office of Personnel Administration would like to direct faculty attention to a new ruling affecting foreign students.

The Immigration and Naturalization Service has issued a new ruling limiting the maximum period of practical training for alien students to 12 months. Any alien student completing his or her course work on or after Sept. 1, 1977, will be affected by the new ruling. Previously, a maximum period of 18 months had been allowed for practical training.

According to officials of both the Immigration Service and the Department of Labor, 12 months is considered sufficient time for alien students to prepare themselves for entrance level positions in their chosen fields without seriously infringing upon the employment opportunities of U. S. resident workers.

The amended regulations will permit an alien student to apply for the first six month period of practical training without first securing a letter from a prospective employer. However, when the second period is requested, school officials will be asked to state more specifically whether such employment is related to the student's field of study. When the application for the initial period of employment is approved, the period shall be deemed to commence either on the date the student enters such employment or 60 days after completion of the student's course of study, whichever is earlier.

The application for the initial period of practical training must be submitted:

1. prior to the expiration of an alien student's authorized stay,
2. not earlier than 60 days before graduation or completion of a course of study,
3. not later than 30 days after graduation or completion of such study.

The application for the first period of practical training must be submitted to the office of the Immigration Service having jurisdiction over the college or university recommending the training. For students at Penn State, the application must be prepared by the Office of International Student Affairs and submitted to the Immigration Service in Philadelphia.

The application for the second period of practical training at Penn State must be submitted via the Office of Personnel Administration to the Immigration Service in Philadelphia. The University will be required to prepare a statement describing the occupation in which the alien is employed and describing the

(Continued on page 3)

Calendar

Nov. 10 — 20

Special Events

Thursday, Nov. 10

FSHA, A New Orleans Creole Dinner, Maple Room, Henderson. For reservations, phone 865-7441.

Runners Night, a panel discussion of all types of running, 7:30 p.m., Room 112 Kern.

Friday, Nov. 11

Board of Trustees meeting, Room 402 Keller. Faculty Women's Club luncheon/lecture. Barbara Hackman Franklin on "The Growth of the Consumer Movement and Current Product Safety Issues," noon, Nittany Lion Inn. France-cinema, *The Sorrow and the Pity*, 7 p.m., Room 112 Kern.

U.S. Air Force Band and Singing Sergeants, 8:15 p.m., Eisenhower Auditorium.

Saturday, Nov. 12

Last date for submitting petitions to Records Officer to graduate in absentia on Nov. Sports: women's volleyball, vs. Slippery Rock, East Stroudsburg, 1 p.m.; football, vs. Temple, 1:30 p.m. France-cinema, *The Sorrow and the Pity*, 7 p.m., Room 112 Kern.

Penn State Symphony Orchestra, "Pops Concert" to benefit the Performing Arts Scholarship Fund, 8:30 p.m., Eisenhower Auditorium.

Sunday, Nov. 13

S.O.C. Hiking Division, exploration in Little Juniata Natural Area, 9 a.m., HUB parking lot. University Chapel service, T. Vandra Vittachi, United Nations, New York, 11 a.m., Music Bldg. recital hall. All University Day.



Shaver's Creek Nature Center, Winter Trees and Evergreen Walk, 2 p.m., Stone Valley.

Seminars

Friday, Nov. 11

Ceramic Science. Hiroshi Abe, Asahi Glass Company, Ltd., Yokohama, Japan, on "Corrosion of Silica Brnck by Sodium Chloride Vapor," 11 a.m., Room 301 Mineral Industries.

Analytical Chemistry. Lance Rose on "Chemical Identification and Quantitation of the Oak Leaf Roller Pheromone Complex," 11:10 a.m., Room 333 Whitmore.

Monday, Nov. 14

Speech Communication, Dianne McGrath, director of Career Information Service, Duke University Medical School, on "Applying Communication Knowledge to Communication Practice," 3:45 p.m., Room 309 Sparks Bldg.

Biochemistry and Biophysics, Britton Chance, University of Pennsylvania, on "Reaction of Cytochrome Oxidase with Oxygen," 3:55 p.m., Room 101 Althouse.

Tuesday, Nov. 15

Inorganic Chemistry, Joan Morse on "Selected Metal Ion Studies of Carboxypeptidase A," 8 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Hugh Stumbo, collages, and Jack Troy, ceramics, through Nov. 11.

Renaissance Gallery Opening Reception, 2 p.m., Kern lobby. Sports: men's cross country, Eastern USTFF Championships. France-cinema, *The Sorrow and the Pity*, 7 p.m., Room 112 Kern.

Monday, Nov. 14

Last day for signing fall term emergency loans. Room 108 Shields. Early registration, 8 a.m.-5 p.m., Room 112 Shields, through Nov. 18. French Department lecture, Andrée Chedid on "Poésie en mouvement," 7:30 p.m., Room 108 Eisenhower Chapel. Fall term classes end, 9:55 p.m.

Tuesday, Nov. 15

Final examinations. Friends of the Museum Art Gallery Talk. Edward Bryant, Picker Art Gallery, Colgate University, on "John Koch and American Art," 10:30 a.m., Museum of Art. University Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, Nov. 16

Final examinations. Thursday, Nov. 17. Final examinations.

Paul M. Althouse Memorial Lecture. Dr. Baruch S. Blumberg, 1976 Nobel laureate, on "Studies of Hepatitis B Virus: Scientific Method and Clinical Research," 4 p.m., Hospital Auditorium. Hershey Medical Center France-cinema, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern. Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, Nov. 18

Final examinations. Penn State Biophysics Reunion. Stan Person, PSU, welcoming statement, 1 p.m.; Ernest Pollard, Evan Pugh equestrian professor of biophysics, PSU, on "Where Do I Think Biophysics is Going?" 1:20 p.m.; Poster Session, update on activities of alumni and the present biophysics group, 2-5 p.m., Room 112 Kern. France-cinema, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Saturday, Nov. 19

Final examinations (until noon). Sports: fencing, PSU Open (men and women), all day.

Symposium on Cell Biophysics. Scott Cram, Los Alamos Scientific Laboratory, on "Cell Sorting," Al Khouri, Wistar Institute, on "Tumor Virology," Bill Taylor, PSU, on "Chemical Carcinogenesis," Russ Turner, VA Hospital, Tacoma, Wa., on "Space Flight Biophysics," Marshall Edgell, University of North Carolina, on "Molecular Genetics," 9 a.m.-12:30 p.m., Room 112 Kern.

Sunday, Nov. 20

Sports: fencing, PSU Open (men and women), all day. Shaver's Creek Nature Center, Weeds in Winter, 2 p.m., Stone Valley.

Hammond Gallery: Neil Feather and Marilyn Ranker, ceramics, through Nov. 13. **HUB Gallery:** Paul O'Hara, sculpture: Joan Sonnenberg, prints.

Kern Commons Gallery: American Indian Cultural exhibit, and "Derivations," photographs, both through Nov. 12. Renaissance Gallery exhibit, mixed media, opens Nov. 12. **Museum of Art:** Lanny Sommes, poster art; Kenneth Beitel, recent works; John Koch, Models and Moments.

Museum of Art HUB Gallery: Super Mud Master Works.

Zoller Gallery: Super Mud Student Invitational, through Nov. 16.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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Note: The following report was prepared by a subcommittee of the Planning and Development Committee wholly for informational purposes. The program is being implemented; this document simply describes it.

Planning and Budget Procedures An Informational Report

The Budget and Planning Office recently prepared estimates of the University's income and expense for each of the next five years, based in part on the enrollment projections reported to the Senate in May, 1977. These projections show that there will be few resources for new initiatives and programs and budgetary pressures on existing programs.

To have a rational approach for meeting changing needs within the University, President Oswald has approved new procedures for planning and budgeting. They are designed to provide a basis for resource allocation for 1978-79, and a tentative resource plan for the five-year period through 1982-83.

Major objectives of the procedures are:

1. Establishment of a regular and more rigorous process of planning for course offerings for somewhat more than one year in advance.
2. Introduction of five-year planning as an integral part of the annual budget review process. This will include expected staff levels. Estimates will be updated annually.
3. Elimination of periodic freezes or situations requiring the Provost to approve the filling of each position, as is presently the case.
4. Firm commitments on base staffing levels in advance of the fiscal year to free deans and other administrative officers

from uncertainties stemming from external financial problems. Such commitment levels will necessarily be conservative, however, to permit some flexibility.

Five year budget targets will be proposed for Colleges, Campuses, and academic support program divisions. The initial proposed targets will be based upon five-year projections of revenue and expense increases for the entire University, which indicate a probable need for adjustments to meet part of the effects of inflation. The proposed targets for Colleges and Campuses will be based in part on advice from a "targets committee" appointed by the Provost, which includes two members of the Faculty Advisory Committee. A similar planning and budgeting process will be followed in the areas of financial and business operations and University development and relations.

The initial proposed targets are intended to serve as the starting point for dialogue. A substantial process of feedback and discussion is provided for, after which final budget targets will be determined. Each dean and other administrative officer will, after appropriate review and consultation, prepare a planning and budget proposal

which will: (1) Provide a plan for implementing the overall staffing and budget target proposed for the College, Campus or other administrative division; (2) provide a discussion of the mission, values, goals and proposed operational objectives of the administrative division; (3) discuss the impact of the proposed targets on the administrative division's goals and objectives; and (4) if necessary, propose and explain the justification for an alternative set of resource targets.

Each dean and director has been requested by the Provost to involve faculty members in the planning and to report to the Provost on the type and extent of faculty involvement.

Proposed course offerings for the complete academic year will be requested with the objective of developing more efficient scheduling patterns matched to the targeted budget and available faculty. For Colleges and Campuses, the preliminary results of this activity, called instructional programming, will be one of the important considerations in planning and budget hearings, since it will provide an estimate of student credit hours, numbers of sections, information about levels of courses, and the like.

A hearing will be scheduled for each administrative officer, at which the

planning and budget proposal (and, if applicable, the preliminary instructional programming) will be discussed in depth. The hearings for individual Commonwealth Campuses will be held by the Dean of Academic Instruction for Commonwealth Campuses; hearings for the Colleges, Behrend College, Capital Campus, King of Prussia Graduate Center, and the academic-support programs, by the Provost of the University; hearings for components of the Milton S. Hershey Medical Center by the Provost and Dean of the Medical Center; and hearings for institutional support programs, by the cognizant Senior Vice President. The hearings are to be scheduled during January and February.

Feedback following the hearings will be provided by about mid-March to each dean and other administrative officer. The feedback will include responses to planning-issue discussions, as well as final target decisions, and authorized staffing levels for the five-year planning period.

In summary, the 1977-78 planning and budgeting cycle will deal with a five-year period, 1978-79 through 1982-83. It will include realistic projections of available resources so that planning can take place to deal with probable resource limits. Resource targets for each division of the University will be set only after discussion and review with the leadership of the divisions.

SPECIAL SUBCOMMITTEE

John J. Cahir
Murray S. Martin
Chalmers G. Norris

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 455-1387). Applications for these staff vacancies will be received until 5 p.m., Nov. 17. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

CONFERENCE COORDINATOR, CONTINUING

EDUCATION — University Park. Responsible for the functions of development, organization, operation, and administration of Continuing Education Programs and conferences, and services for on-campus groups using University facilities. Bachelor's degree or equivalent with one to two years of directly related experience in business, industry or education. (Degree in Business Administration preferred.)

PROGRAMMER, MANAGEMENT SERVICES —

University Park. Analyze and design program logic; code, test and document programs; keep abreast of new techniques in programming using available educational resources. Bachelor's degree or equivalent in Computer Science or related field plus one to two years of directly related programming experience. Proficiency with COBOL and/or PL/I on 3rd generation computer equipment is desired.

RECORDS, REGISTRATION AND SCHEDULING

OFFICER — Behrend. Responsible to the Assistant Dean for Undergraduate Studies for all student records, registration operations, preparation of course schedules and a variety of admissions operations. The position involves supervision of the Records' Office staff and contact with students as well as faculty and staff. Bachelor's degree or equivalent required with two to four years of directly related experience.

WPSX Highlights

The events of the Great War, the first major event to be recorded on newfilm, are recounted on **World War I**, a 26-week series which returns to Channel 3 at 7:30 p.m. on Saturday, Nov. 12. The series presents Allied and German archival footage of the war's events from the assassination of the Austrian archduke to the 1918 armistice and the establishment of the League of Nations.

President Carter's energy proposals are examined at 9 p.m. on Saturday, Nov. 12, in a special edition of **The Advocates**. The program debates the question, "Should Congress pass Carter's energy program?" Arguing in favor of the administration's stand will be John O'Leary, deputy secretary of energy, and Congressman Morris K. Udall (Dem.-Arizona). Opposing it will be Congressman Robert Krueger (Dem.-Texas).

Monday, Nov. 14, at 8 p.m., **The Age of Uncertainty** looks at the role which large corporations play in modern economic life. Using a fictitious corporation called "Unified Global Enterprises," John Kenneth Galbraith assesses the power of multi-national corporations and how that power is gained and used.

In conjunction with the National Women's Conference, WPSX is presenting a variety of special programs beginning at 9 p.m. Monday, Nov. 14, with "Pleasantville" on **Visions**. The original television drama explores a young girl's fantasies after the death of her eccentric grandmother. Immediately

following at 10:30 p.m., Nancy Miller talks with off-off-Broadway playwright Megan Terry on **Creative Women**.

Frieda Rozen of Penn State's Department of Labor Studies, hosts a conversation about the role of women in America's labor movement on **Talkabout**, at 7:30 p.m. Tuesday, Nov. 15. Her guests include Barbara Wertheimer, author of *We Were There: The Story of Working Women in America*, and Cynthia McCaughey, a coordinator of women's activities in the AFL-CIO. At 8 p.m. on Tuesday, **Georgia O'Keefe** features a rare interview with the famed American artist in her New Mexico home. The conversation is interwoven with views of O'Keefe's paintings and photographs of her past. Men's liberation is the subject of **To Be a Man**, which follows at 9 p.m. The program reveals that men also need to be liberated from widely accepted stereotypes.

Blues singer/writer Elizabeth Cotten ("Freight Train") is the subject of a 30-minute television portrait, **Me and Stella**, to be seen at 10:30 p.m. Wednesday, Nov. 16. The portrait, interspersed with songs, is hosted by Cotten's friend Taj Mahal.

The activities of a volunteer fire company are recorded in a new Penn State Television production, **A Tale of Reliance and Hope**, to be seen at 8 p.m. on Wednesday, Nov. 16. Filmed at the Hope and Reliance Companies in Philipsburg, the documentary examines both the great and serious sides of the volunteer firefighter in a small community.

Funding Sources

For further information, call 865-1372

(293-2) The IHEW Office of Education has issued closing dates for most of its FY1978 OE Direct Discretionary Grant Programs. Sixty-one programs are enumerated and 21 others will be announced later. (Ref. 42FRS4983-917, 101277)

(293-2) NSF announces a Nov. 28 deadline for NATO Post-doctoral Fellowships in Science applications. Study is supported in NATO countries or possibly in countries cooperating with NATO. (Ref. SF-587-17)

(293-2) NSF Women in Science, Science Career Workshop proposals have a Dec. 1 deadline. Designed to attract women to and retain them in scientific careers, the program awarded 67 grants in the last two fiscal years for workshops and facilitation projects. A pilot Visiting Women's Scientist Program will be funded separately from this solicitation. (Ref. NSF 78-26)

(294-1) The National Research Council Announces **ships Program** for 1978 announces a Jan. 15 deadline for applications. Recent doctoral recipients and some senior investigators are eligible for postdoctoral research in federal laboratories in atmospheric and earth sciences, chemistry, engineering, environmental sciences, life sciences, mathematics, physics, and space sciences. (Ref. NRC announcements)

(294-2) The NSF Instructional Scientific Equipment for Undergraduate Science Education program has a March 3 deadline. Both 4-year and 2-year institutions are eligible for matching funds. Eligible fields include mathematical, physical, biological, engineering, and social sciences, as well as associated interdisciplinary areas. ISEP funds are limited to \$20K proposal (proposals larger than \$10K require a cover sheet). Multiple proposals are allowed per institution. (Ref. SF-78-32)

(294-3) The Eastman Kodak Company, as part of its Educational Aid Program, provides research grants to support of graduate education and research at the masters or doctoral level. Eligible fields include chemistry, physics, engineering and related interdisciplinary fields. Grants range from \$4K to \$6K per academic year and include support for EK Scientific Awards (\$500-\$1K) and/or EK Fellowships (\$2.5K minimum). (Ref. Kodak Educational Aid Program 1977 brochure)

(294-4) The National Science Foundation has issued its FY1978 Guide to Programs which includes criteria for the selection of research projects. Major categories of research support include (1) mathematical and physical sciences, and engineering, biological, behavioral, and social sciences; (2) astronomical, atmospheric, earth, and ocean sciences; (3) science education; (4) Research Applied to National Needs (to be replaced by the Science and Engineering Application Directorate); and (5) sciences, technological, and international affairs. (ref. ibid.)

New ruling

(Continued from page 2)

duties to be performed.

Employment is not authorized prior to approval of practical training and shall terminate upon the expiration date established by the Immigration Service. Unauthorized employment can result in deportation.

For additional information concerning

practical training, refer to PS-84.

Questions pertaining to employment of aliens can be directed to Robert W. Dombrowsky, Personnel Procedures Division, Room 130 Willard Bldg. (telephone 865-0423). Questions pertaining to alien students can be directed to Mrs. Ardeth Frisbey, International Student Affairs, Room 111 Kern Bldg. (telephone 865-6348).

Declaration urges legislative action

A "Declaration of Common Concern," urging the legislature to act in a prompt, non-partisan fashion to resolve the funding crisis facing Pennsylvania higher education, has been signed by more than 200 prominent Pennsylvanians.

Signers of the Declaration are among the top civic, business, labor and religious leaders in Pennsylvania. Included are:

Former governors John S. Fine and Raymond P. Shafer, and the following heads of various business, labor and religious organizations: Willard F. Rockwell, Jr., Rockwell International Corp.; W. H. Krome George, Aluminum Company of America; Robert E. Kirby, Westinghouse Electric Corp.; Harry Boyer, Pennsylvania AFL-CIO; Lloyd McBride, United Steelworkers of America; Carl E. Glock, Jr., Pennsylvania Bar Assn.; Cardinal Krol of Philadelphia; Henry W. Mathieu, Jr., Pennsylvania Association of Farmer Cooperatives; Jerry McAfee, Gulf Oil Corp.; and Edgar B. Speer, United States Steel Corp.

Also, Edward R. Book, HERCO Inc.; Harold S. Mohler, Hershey Foods; Stanley G. Schaffer, Duquesne Light Company; William K. Ulerich, The Clearfield Progress; and Quentin E. Wood, Quaker State Oil Refining Corp.

The text of the Declaration of Common Concern reads:

"We, the undersigned, representing all

walks of life throughout this Commonwealth, declare our common concern for the crisis which confronts our colleges and universities. We urge that it be resolved without further delay.

"Pennsylvania's colleges and universities are vital to our welfare. They educate our young people; they renew the skills and perspectives of our citizens; they develop new knowledge; they preserve our culture; they improve our health and our daily lives; and they contribute to our economic well-being. In short, Pennsylvania's universities and colleges serve the public purpose and deserve full public support.

"For our state-related and state-aided universities, the appropriations received from the Commonwealth are essential to their very existence. For our private colleges and universities, institutional assistance grants are crucial to their ability to continue to serve a broad cross-section of the young people of Pennsylvania. Without the passage and funding of the needed appropriation acts, the future of higher education in Pennsylvania is in jeopardy.

"We call upon members of the General Assembly to act promptly in a statesman-like, non-partisan fashion to resolve this crisis."

News in brief

(Continued from page 1)

parcels. The following package limitations are now in effect for material being sent through the interdepartmental mail system at University Park.

A. A single package cannot weigh more than 20 pounds.

B. Only one package exceeding 9" x 12" x 17" thick can be picked up per day from any one department with the same requested delivery address.

C. The maximum size package that can be picked up is 10" x 15" x 6" thick.

Anyone who has packages that exceed these limitations to be picked up and delivered elsewhere on campus should call the University Courier Service at 865-5602. There is a charge of \$2 for the first package and 50 cents for each additional package for this service. These rates will be charged to departmental budgets in the same manner as the U.S. postage bill is now handled.

This policy does not apply to U.S. Parcel Post packages or to material that is being shipped by United Parcel Service or Motor Freight. The policy applies only to interdepartmental parcels and packages.

Any questions about this new policy should be directed to Jim McKivison at 865-4051.

Guest speakers sought

The University Committee on International Programs (UCIP) is requesting nominations for guest speakers whose topics are of cross-college interest and have international thrust. UCIP is willing to work out co-sponsorship with other departments for these speakers. Contact the UCIP office, Room 306 Willard Bldg., 865-9549 between 9 a.m. and 12 noon.

Koch gallery talk Nov. 15

"John Koch and American Art" will be the subject of a gallery talk by Edward Bryant, director of the Packer Gallery at Colgate University, at 10:30 a.m. Tuesday, Nov. 15, in the Museum of Art.

Mr. Bryant's lecture has been scheduled in connection with an exhibition of Koch's works at the museum, titled "Models and Moments," which continues through Dec. 21.

An associate professor in the Department of Fine Arts at Colgate, Mr.

Bryant studied art at the University of North Carolina, Chapel Hill, and earned his M.A. in art history there in 1955. He has studied in Europe and Africa with a Ford Foundation Grant and has traveled in Italy on a Fulbright grant and a European study grant from the Brooklyn Museum.

Pattee space available

Members of the faculty who wish to obtain Faculty Study Space Assignments in Pattee Library for winter term should note that the assignments will be made on a first-come, first served basis Monday, Nov. 28, beginning at 7:30 a.m. in Room 106 Central Pattee. There are only 39 such spaces. Further questions should be directed to Cordelia Swinton, 865-5429.

STS "Great Issues" course

The Science, Technology and Society Program will offer a course on "Great Issues in Science, Technology and Society" in the winter term. The three-credit course (STS 100, TTh 14, 62 Willard) is open to all majors who may use it to become acquainted with the breadth of STS program course offerings.

Besides an orientation to the STS curriculum concept, students will learn about the nature of science and technology and differences between the two, public concerns about science and technology and their side effects, resources, energy, information technology, environment, food and health, bio-psycho-socio-technologies, effects of science and technology on human and religious values, and decisions for the future. Lecturers will be STS core faculty who cover these same areas in more depth in other STS courses.

A film series, including Bronowski's "Ascent of Man" videotapes and other audio-visuals specially chosen for their relevance to these topics, will be shown in Room 62 Willard during the 15th period Tuesdays and Thursdays, as an optional educational opportunity for those taking the course. This is open to all faculty and students.

Pattee extends hours

To assist students preparing for final examinations, Pattee Library will extend weekday hours until 12 o'clock midnight.

The 7:45 a.m. to 12 o'clock midnight

Legislators to write

Senator J. Doyle Corman, Jr.
34th District
222 N. Allegheny Street
Bellefonte, PA 16823

Representative Helen D. Wise
77th District
1127 S. Allen Street
State College, PA 16801

Representative Russell P. Letterman
76th District
P.O. Box 285
Milesburg, PA 16853

Representative Walter F. DeVeter
82nd District
R.D. #1 — Box 84
McClure, PA 17841

Representative Camille George
74th District
512 Harry Street
Houtzdale, PA 16651

Representative Samuel E. Hayes, Jr.
81st District
R.D. #3 — Box 365A
Tyrone, PA 16686

The Honorable Henry C. Messinger
Majority Leader
Senate of Pennsylvania
Main Capitol Bldg.
Harrisburg, PA 17120

The Honorable Henry G. Hager
Minority Leader
Senate of Pennsylvania
Main Capitol Bldg.
Harrisburg, PA 17120

The Honorable James J. Manderino
Majority Leader
House of Representatives
Main Capitol Bldg.
Harrisburg, PA 17120

The Honorable Robert J. Butera
Minority Leader
House of Representatives
Main Capitol Bldg.
Harrisburg, PA 17120

hours will start on Monday, Nov. 7, and continue on weekdays through Friday, Nov. 18.
Hours for Saturday, Nov. 12, are 7:45 a.m. to 5 p.m. with the Reserve Reading Room open until midnight; and for Sunday, Nov. 13, 1 p.m. to midnight. The Saturday, Nov. 19, hours are 7:45 a.m. to 5 p.m., and the Library will be closed on Sunday, Nov. 20.

Term break hours at Pattee, beginning Monday, Nov. 21, are 7:45 a.m. to 5 p.m. on weekdays. The building is closed on Saturdays and Sundays.

Student accident trip insurance available

Short term group trip accident insurance is available to students who are not otherwise covered. Students taking course connected trips, or taking group trips with a student organization registered with the Office of Student Activities, may obtain around-the-clock coverage for accidental death and dismemberment, as well as blanket accidental medical expenses.

This insurance is available for the duration of the trip, and a person has been designated in each College or at each campus to collect premiums for class-related trips.

Student registered groups may remit the appropriate premium directly to the Risk Manager in one cash sum, or request a check from their Associated Student Activities checking account. A list must accompany the premium, showing the student name and number, destination and duration of the trip and class or group affiliation.

Current premiums for this insurance are: 35 cents per student for 24 hours, 65 cents per student for 48 hours, 90 cents per student for 72 hours, and 25 cents per student for each additional 24 hours.

Information about coverage and

premiums is available from the College Financial Officers, Campus Business Offices or the University Risk Manager.

Senate

(Continued from page 1)

addressed the Senate early in September. "I still believe that a solution will be worked out," Dr. Oswald said, but he added that at the moment the issue has become highly political.

The University has now borrowed \$5 million, he reported, and as of Nov. 1 averages about \$4,000 a day in interest costs.

Dr. Oswald told the Senators that Penn State has been working closely with the other State-related universities through joint alumni meetings and other efforts. He also said a letter signed by the heads of the alumni council has been sent to all Penn State graduates living in Pennsylvania asking them for their support.

Senator Stuart Mann, referring to a recent news story about Temple University, asked Dr. Oswald if it were possible that Penn State employees might have to go without paychecks in the near future. Dr. Oswald said he didn't foresee any possibility of that happening.

Following Dr. Oswald's remarks, the Senate approved revised entrance requirements for the College of Agriculture proposed by the Committee on Admissions, Records and Scheduling.

Under the new requirements, entering students will need three units of secondary school English, three units of math, one unit of science and eight other courses. Previously, applicants were required to have three units of English and 12 other courses.

In other action, the Senate approved proposed implementation procedures for undergraduate common courses in independent studies and special topics, under the course numbers 296, 297, 496 and 497.

Proposed minor changes in the Senate election procedures were also approved.

Dr. James B. Bartoo, a senator and dean of the graduate school, presented an oral informational report on the Graduate School. A summary of his text will be reprinted in a later issue of INTERCOM.

Anita H. Thies, manager of special projects in the Office of Public Information and Relations, briefly outlined some of the major objectives of that office. Her presentation was made at the invitation of the Senate Committee on External Affairs.

Mrs. Thies said public information currently stresses three main objectives: supporting the University's fund-raising efforts, promoting its academic excellence and assisting with the recruitment of students.

She noted that Penn State had joined with the other Pennsylvania colleges and universities in an editorial support campaign, supplying key newspapers and radio and television stations with fact sheets and economic impact statements regarding the State funding crisis. As of the end of October, she said, 47 newspapers and two radio and television stations had printed or broadcast editorials urging legislators to vote for the appropriations bill.

To publicize faculty accomplishments, press contacts directory listing faculty members with expertise in areas of popular concern has been sent to about 1,000 editors and reporters, Mrs. Thies said. She added that faculty members are being asked to write opinion pieces, commenting on current affairs, that have been carried by such media as the Associated Press, the New York Times and the Washington Post during the past year.

Mrs. Thies also said public information staff members have recently completed new recruitment film to be shown to high school students by campus recruiters during their visits to high schools.

Penn State Intercom

From the Trustee Docket

Trustees urge prompt legislative action

The Board of Trustees urged members of the General Assembly of Pennsylvania from both political parties "to act promptly to resolve the financial crisis facing the Commonwealth and to fund fully the appropriations necessary for the continued operation of The Pennsylvania State University and other unfunded colleges and universities of the Commonwealth."

William K. Ulerich, of Clearfield, president of the Board, transmitted a copy of the resolution, adopted by the full Board, with a personal letter to each of the 250 members of the General Assembly.

The resolution reads:
"We, the members of the Board of Trustees of The Pennsylvania State University, carry the legal responsibility and authority to govern and hold in trust the University. The Pennsylvania State University has a fundamental responsibility to provide the citizens of Pennsylvania and the nation with programs of teaching, research and service, and to underpin the scientific, social and economic strength of the Commonwealth. As trustees and as citizens, we are dedicated to fulfilling these legal and ethical responsibilities on behalf of all citizens of the Commonwealth of Pennsylvania.

"An appropriation from the Commonwealth is essential to Penn State's very existence as a public university. The lack of a funded appropriation for the current fiscal year which began last July 1, 1977, has created severe financial problems for the University, requiring the borrowing of millions of dollars and the payment of

sizable interest on these loans. Further delay is placing in jeopardy Penn State's ability to continue the orderly operation of its educational programs and services.

"The Board of Trustees of The Pennsylvania State University therefore urges members of the General Assembly of both political parties to act promptly to resolve the financial crisis facing the Commonwealth and to fund fully the appropriations necessary for the continued operation of The Pennsylvania State University and other unfunded colleges and universities of the Commonwealth."

Academic Policy Plan to be revised, updated

The trustees approved a recommendation calling for a revision and updating of the University's Academic Policy Plan, adopted by the Board in 1972.

They requested that President Oswald work with appropriate faculty, administrative and student groups, and report regularly to the Trustee Committee on Educational Policy, the committee charged with the effort, on the progress of the revision. The revised plan is expected to be ready for final consideration by the full Board of Trustees by September 1979.

When first approved by the trustees, the Academic Policy Plan was described by President Oswald as an effort to reaffirm the University's priorities, clarify the roles of the 22 Penn State Campuses, and set forth enrollment policies and projections for the 1970s. The enrollment information was updated in 1974.

The revised plan will contain a review of University priorities, reflect changes in societal needs, and consider findings of

the University program reviews and projections of future enrollments.

The State of Pennsylvania is in the process of updating its Master Plan for Higher Education, a project expected to be completed by the fall of 1978. The University plan will take into account the priorities, observations and policies of the State's Master Plan.

McKeesport names building for Frable

The academic building at the McKeesport Campus will be named the Milton F. Frable Bldg. in honor of the founder of the Campus Advisory Board.

Mr. Frable, who died last March, served as president of the board for 17 years. He was a 1969 recipient of the Penn State Medal for distinguished service to higher education in Pennsylvania.

"Milton Frable was an instrumental force in the development of the McKeesport Campus through his leadership of the Advisory Board," President Oswald said, "and it is appropriate that the academic building be named in his honor."

A native of Latrobe, Mr. Frable was graduated from Bucknell University with a B.S. in mechanical engineering. He entered the Duquesne Company engineering training course in 1928 and retired as manager of area development after 43 years with the company.

Design going forward for new Berks building

An architectural firm has been appointed to design the proposed Human Resources Bldg. of the Berks Campus.

The firm also will provide estimates and possible site selection for the structure to be financed through a capital fund-raising campaign entitled "Partners in Progress." Appointed was Muhlenberg Greene, of Reading, Pa.

Dr. Harold W. Perkins, Berks Campus director, said the building will accommodate health and physical education needs and will serve, alternatively, as a convocation area.

"If sufficient funds can be obtained beyond those required for physical education and assembly needs," Dr. Perkins said, "consideration will be given to additional learning resources and adaptable academic space."

Material Sciences renamed

The name of the Department of Material Sciences in the College of Earth and Mineral Sciences has been changed to the Department of Materials Science and Engineering.

At the same time, the Ceramic Science Section within the Department has become the Ceramic Science and Engineering Section.

These changes have been made, explains Dean Charles L. Hosler, to reflect more accurately the overall nature of the department's two undergraduate majors, ceramic science and metallurgy, which are accredited nationally by the Engineers' Council for Professional Development. In

(Continued on page 4)

News in Brief

Allentown Campus moving

The University's Allentown Campus will move to a new location on Nov. 21, 22 and 23.

The Continuing Education program, previously located at 725 Ridge Ave., Allentown, and the resident instruction program, previously located in the Fogelsville School Bldg., will move into the new Allentown Campus Academic Bldg.

The new mailing address for all University functions at Allentown will be: Allentown Campus, The Pennsylvania State University, Fogelsville, Pa.

New telephone numbers will be (215) 285-4811 and Network 378-6567.

Christmas toys needed

State College area faculty and staff members who would like to donate toys for money for Christmas gifts for underprivileged central Pennsylvania youngsters can take their contributions to four pick-up points before Dec. 15.

They are the Marine Recruiting Office, Fraser St.; the Dutch Pantry Motel, South Atherton St.; and the two McDonalds locations, College Ave. and the Hills Shopping Plaza.

Toys may be new or used but should be in good condition, according to members of the Marine Corps Reserves and the State College Elks Club, sponsors of the toy drive.

United Way behind schedule

This year's United Way campaign is lagging behind in its effort to reach a \$90,000 goal.

"Considering the financial stress our community is experiencing, we can understand our present condition," states College of Agriculture Dean James Beattie, campaign chairman. "Slightly more than \$70,000 has been pledged or donated."

"One factor leads us to believe that we can reach our goal soon after Thanksgiving," he adds. "We know that about 450 people who gave last year have not yet done so this year. If all of them were to give the same amount that they gave in the 1977 campaign, we would easily achieve our 1978 goal."

Persons needing information about United Way or the method for giving can contact their dean or administrative officer for the name of their campaign subchairperson.

Terrace Room schedule

Following the evening meal on Friday, Nov. 18, the Terrace Room will close for two days and will be open for lunch only, from 11:30 a.m. to 1:15 p.m. on Monday, Tuesday, and Wednesday, Nov. 21, 22, and 23.

It will be closed from Thursday, Nov. 24, through Saturday, Nov. 26, and will open for regular business with the evening meal on Sunday, Nov. 27.

Beginning with the winter term, the Terrace Room will be closed on Saturdays. The Lions Den will continue to offer Saturday service from 7 a.m. to 1:30 p.m.

(Continued on page 3)



Penn Staters



Elton Atwater, professor of political science, is marking his 25th year of service to the University.

After receiving his B.A. degree from the University of Rochester, he was awarded an M.A. from The American University. He then studied at the Academy of International Law, The Hague, and the Graduate Institute of International Studies, Geneva, Switzerland, from which he received a Diploma. Following his return to the United States, he took his Ph.D. in international affairs at The American University.

Before Dr. Atwater joined Penn State in 1950 as associate professor of political science, he taught at Elmira College, Elmira, N.Y., and The American University. He also directed a foreign service training program for The American Friends Service Committee, Philadelphia, and served as a consultant to the U.S. Department of State. In 1957-59 he served as associate director of the Quaker Program at the United Nations in New York City.

At Penn State, Dr. Atwater has specialized in teaching American foreign policy and courses on the United Nations, including a course on the economic, social welfare and decolonization functions of the U.N., a direct outgrowth of his work and experience with the international organization. He is in charge of a U.N. intern program under which Penn State graduate students work as research aides for various national delegations to the U.N.

Dr. Atwater has served on many committees in the College of the Liberal Arts as well as University Senate committees and was head of the Department of Political Science in 1956-57 and again from 1960-63.

Dr. Atwater is the author of numerous scholarly articles as well as the book, *American Regulation of Arms Exports*. He co-authored two books, *World Affairs, Problems and Prospects* and *World Tensions: Conflict and Accommodation*.

Dr. William Spackman, professor of paleobotany and director of the Coal Research Section, has received the 1977 Gilbert H. Cady Award for outstanding leadership in the field of coal geology. The award was presented Nov. 5 at the national meeting of the Geological Society of America in Seattle, Wash.

Dr. Spackman is directing a major research effort under contract with ERDA and NSF to characterize the nation's coal resources and relate compositional characteristics to preparation, liquefaction, and gasification behavior.

Dr. Charles S. Prebish, associate professor of religious studies, was recently selected to serve on the National Advisory Board and Educational Standards Committee of the North American Association of Buddhist Schools and Colleges.

Dr. Harry R. Alcock, professor of chemistry, recently presented invited lectures at the Macromolecular Institute at the University of Michigan and at the University of Massachusetts. He spoke on the synthesis of new macromolecules with potential uses in chemotherapy.

Dr. John H. Pazur, professor of biochemistry, recently presented an invited lecture at the chemistry department of the University of Delaware. His lecture was titled, "Chemistry and Immunology of Glycosyl Antigens and Anti-Glycosyl Antibodies from Bacteria and Tumors."

The board of directors of the Optical Society of America has elected **Herschel W. Leibowitz** a Fellow of the Society in recognition of his service in the advancement of optics. Dr. Leibowitz, an Evan Pugh professor of psychology, is well known for his extensive research in the fields of vision and perception.

Dr. Harrison T. Meserole, professor of English, recently returned from the University of Leeds in Great Britain where he received the Cecil Oldman Medal for 1977. The award is presented annually to a distinguished bibliographer and textual critic.

As part of his acceptance, Dr. Meserole presented the Cecil Oldman Memorial Lecture, speaking on "Three Bibliographical Problems from Seventeenth-Century America: Edward Taylor, William Wood, and David Dunster." His lecture was timed to coincide with the annual meeting of the trustees of the Brotherton Library at Leeds.

Dr. Frederick F. Weiner, associate professor of speech pathology in the University's Speech and Hearing Clinic, was named editor of the National Student Speech and Hearing Association Journal at a meeting of the American Speech and Hearing Association (ASHA) held Nov. 2-6 in Chicago.

Dr. Weiner will serve a four-year term as editor of the annual journal, which publishes professional papers of student interest. The position carries with it a membership on the ASHA editorial board.

Bookshelf

Mihailo Dordevic, professor of humanities and literature at Capitol Campus, has written a book, *Serbian Poetry and Milutin Bojic*. The book was published by Columbia University Press.

Prof. Dordevic describes the work as "an academic analysis of Bojic's poetry." It is designed for use in Serbian literature courses.

Prof. Dordevic, a native of Yugoslavia, received his M.A. from the University of Belgrade in 1949. He earned his Ph.D. in modern comparative literature in 1958 from the Sorbonne. He has taught at Ohio Wesleyan University, Converse College, Western Washington State College, and the Cours Duitelle in Paris.

Dr. William P. Graham III, professor of surgery and chief of plastic and reconstructive surgery at the Hershey Medical Center, is co-editor of a new medical textbook, *The Hand: Surgical and Non-Surgical Management*. His collaborator on the volume is Dr. Eugene S. Kilgore Jr., of the University of California Medical School in San Francisco.

The book, published in October by Lea and Febiger of Philadelphia, includes chapters by Drs. Graham and Kilgore and 19 other contributors, including Dr. Stephen Miller, associate professor of surgery (plastic and reconstructive) at Hershey.

A revised Ph.D. comprehensive

Editor's Note: The following comprehensive Ph.D. examination appeared mysteriously on the desk of a department head in the College of Science. Perhaps even a few faculty may find it challenging.

Instructions: Read each question carefully. Answer all questions. Time limit: 4 hours. Begin immediately.

History: Describe the history of the papacy from its origins to the present day, concentrating especially but not exclusively on its social, political, economic, religious and philosophical impact on Europe, Asia, America, and Africa. Be brief, concise, and specific.

Medicine: You have been provided with a razor blade, a piece of gauze, and a bottle of Scotch. Remove your appendix. Do not suture until your work has been inspected. You have 15 minutes.

Public Speaking: 2,500 riot-crazed aborigines are storming the classroom. Calm them. You may use any ancient language except Latin and Greek.

Biology: Create life. Estimate the differences in subsequent human culture if this form of life had developed 500 million years earlier, with special attention to its probable effect on the English parliamentary system. Prove your thesis.

Music: Write a piano concerto. Orchestrate and perform it with flute and drum. You will find a piano under your seat.

Psychology: Based on your knowledge of their works, evaluate the emotional stability, degree of adjustment, and repressed frustrations of each of the following: Alexander of Aphrodisias, Ramses II, Gregory of Nicea, and Hammurabi. Support your evaluation with quotations from each man's work, making appropriate references. It is not necessary to translate.

Sociology: Estimate the sociological problems which might accompany the end of the world. Construct an experiment to test your theory.

Engineering: The disassembled parts of a high-powered rifle have been placed in a box on your desk. You will also find an instruction manual, printed in Swahili. In ten minutes a hungry Bengal tiger will be admitted to the room. Take whatever action you feel appropriate. Be prepared to justify your decisions.

Economics: Develop a realistic plan for refinancing the national debt. Trace the possible effects of your plan in the following areas: Cubism, the Donatist controversy, the wave theory of light. Outline a method for preventing these effects. Criticize this method from all possible points of view. Point out the deficiencies in your point of view, as demonstrated in your answer to the last question.

Political Science: There is a red telephone on the desk beside you. Start World War III. Report at length on its socio-political effects, if any.

Epistemology: Take a position for or against truth. Prove the validity of your position.

Physics: Explain the nature of matter. Include in your answer an evaluation of the impact of the development of mathematics on science.

Philosophy: Sketch the development of human thought; estimate its significance. Compare with the development of any other kind of thought.

General Knowledge: Describe in detail. Be objective and specific.

Faculty Affairs committee seeking input on promotion, tenure policies

Last September, President Oswald addressed the University Faculty Senate on promotion and tenure policies and procedures. As a result, the Faculty Affairs Committee of the Senate has been charged by the Senate Chairman with consideration of the following questions:

1. What are the best intervals for tenure reviews? 1, 3, 5, 6 years (as at present) or some other schedule such as 2, 4, 6 years.
2. Should the justification for promotion be stronger for a particular individual if the time in rank is short (e.g., less than five years as an assistant or associate professor)?
3. Should tenure decisions be made and tenure granted in outstanding cases prior to the sixth year? If so, what policy should be followed? Should promotion from assistant to associate professor before the end of six years be accompanied by tenure or should the two items be considered separately as is now the case? Should the policy be the same for a rapid promotion of

a person hired as an associate professor?

4. Presently no written explanation is given in cases of tenure denial. Should this procedure be modified?
5. What procedures should be followed when a higher level review committee disagrees with a lower level committee (e.g., College committee disagreeing with department or Campus committee or University committee disagreeing with Dean and/or DAICC)?

The Faculty Affairs Committee would welcome comments and suggestions on these matters from the faculty. These may be addressed to the committee through its chairman, Prof. Philip Klein, Room 516 Kern, or Vice-Chairman Peter Gold, Room 1504 Davey, or through the Senate Office. A complete transcript of the President's remarks may be found in the Senate Record for Sept. 8, 1977; copies are available in libraries, in offices of departments, Colleges, and Campus directors, and from Senate members.

Funding Sources

For further information,
call 865-1372

(295-1) NASA unsolicited proposals may now be submitted directly to NASA field installations in certain cases. NASA installations are listed on the letter announcement (Ref. 41d)

(295-2) The Harry S. Truman Scholarship Foundation has announced a Dec. 8 deadline. Regulations were published last July (261-2). Students must be nominated by their home institution. (Ref. 42FR57746, 11/477)

(295-3) The Fund for the Improvement of Postsecondary Education (FIPSE) has announced the following deadline dates for FY 1978 pre-applications—Jan. 16; final applications—March 21; and non-competing continuation applications—Feb. 1. Guidelines will be available later this month. (Ref. 42FR57753-4, 11/477) CFDA 13.925

(296-4) The National Institute of Education announces three upcoming deadline dates for its Program of Research Grants on Organizational Processes in Education: Dec. 15, April 13, and Aug. 15. The program includes small grants up to \$7500 and 12 months and regular grants up to 3 years. Regular grants require preliminary proposal. About 20 to 30 grants will be awarded from the \$1 million available including 15 small grants. (Ref. 42FR57992-3, 11/777) (CFDA) 13.950

Calendar

Nov. 17 - Dec. 1

Special Events

Thursday, Nov. 17

Final examinations.
france-cinema, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, Nov. 18

Final examinations.
france-cinema, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Saturday, Nov. 19

Final examinations (until noon).
Sports fencing, PSU Open (men and women), all day.

Sunday, Nov. 20

Sports fencing, PSU Open (men and women), all day.
Shaver's Creek Nature Center, Weeds in Winter, 2 p.m., Stone Valley.

Monday, Nov. 21

Fixed date for meetings involving Commonwealth Campus faculty.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern. Competition topics, "Open" and "In the Woods." Leslie P. Greenhill on "Australia Revisited."

Tuesday, Nov. 22

Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 24

Thanksgiving Day, holiday.

Saturday, Nov. 26

Commencement, 10:30 a.m., Rec. Bldg.

Monday, Nov. 28

International orientation, 3 p.m., Room 101 Kern.

Tuesday, Nov. 29

Registration for winter term, 8 a.m.-5 p.m., IM Bldg.

Wednesday, Nov. 30

Registration for winter term, 8 a.m.-5 p.m., IM Bldg.

Commonsplace Theatre, *First Circle*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, Dec. 1

Winter term classes begin, 8 a.m.

Exhibits

HUB Gallery: Paul O'Hara, sculpture; Joan Sonnenberg, prints, both through Nov. 30.
Kern Commons Gallery: Renaissance Gallery exhibit, mixed media, through Nov. 26.

Appointments

Wesley F. Alles as assistant professor of health education at University Park. B.S., West Chester State; M.S., Ph.D., U. of Illinois. Formerly assistant professor, U. of New Mexico.

Steven M. Baskin as instructor of psychology at Behrend College. B.A., M.Ed., U. of Virginia; Ph.D. candidate, North Texas State U.

David S. Bender as assistant professor of educational psychology at Berks Campus. B.A., Bucknell U.; M.A., Ph.D., Cornell U.

Barry G. Cline as instructor of public administration at Capitol Campus. B.S., U. of South Carolina; M.A., U. of Wisconsin-Madison; Ph.D. candidate, Wisconsin.

Susan E. Gerweck as instructor of social science and psychology at Capitol Campus. B.S., M.S., Penn State; Ph.D. candidate, Penn State.

Halbert H. Holloway as instructor of speech at Mont Alto Campus. B.A., San Jose State U.; M.A., San Francisco State U.; Ph.D. candidate, Wayne State U. Formerly teacher, San Bruno, Cal.

Seminars

Friday, Nov. 18

Penn State Biophysics Reunion. Stan Person, PSU, welcoming statement, 1 p.m.; Ernest Pollard, Evan Pugh emeritus professor of biophysics, PSU, on "Where Do I Think Biophysics is Going?" 1:20 p.m., Room 112 Kern.

Saturday, Nov. 19

Symposium on Cell Biophysics. Scott Cram, Los Alamos Scientific Laboratory, on "Cell Sorting;" Al Khoury, Wistar Institute, on "Tumor Virology;" Bill Taylor, PSU, on "Chemical Carcinogenesis;" Russ Turner, VA Hospital, Tacoma, Wa., on "Space Flight Biology;" Marshall Edgell, University of North Carolina, on "Molecular Genetics;" 9 a.m.-12:30 p.m., Room 112 Kern.

Monday, Nov. 21

Semi-Annual Genetics Symposium, "The Diversity of Biochemical Genetics." Bernard May, PSU, on "Applications of Isozyme Electrophoresis: Introgression in Overlapping Starfish Populations and Biochemical Genetics of the Fungus *Entomophthora*," 11 a.m.; Richard Craig, PSU, on "Significance of Biochemical Markers in Geranium Breeding," 11:40 a.m.; Stephen O'Brien, Laboratory of Viral Carcinogenesis, National Cancer Institute, on "Somatic Cell Genetics as an Approach to the Analysis of Cellular Genes which Control Expression of Endogenous Type-C Viruses," 1:30 p.m.; Timothy Carter, Hershey Medical Center, on "Regulation of Human Adenovirus Gene Expression," 2:40 p.m.; Kathleen Rose, Hershey Medical Center, on "Polyadenylic acid Polymerases from Rat Liver and a Hepatoma," 3:45 p.m.; Ronald Yasbin, PSU, on "Aspects of Biochemical Genetics of *Neisseria gonorrhoeae*," 4:25 p.m.; Room 112 Kern.

Tuesday, Nov. 22

Inorganic Chemistry, Edward Steifel, Kettering Research Laboratory, on "The Role of Molybdenum in Enzymes," 8 p.m., Room 333 Whitmore.

Thursday, Dec. 1

Chemistry, Lennard Wharton, University of Chicago, on "Mechanisms of Gas-Metal Surface Reactions," 12:45 p.m., Room 333 Whitmore.
Physics, Michael Wortis, University of Illinois, "Through a (Spin) Glass Darkly," 3:30 p.m., Room 117 Osmond.

Museum of Art: Lanny Sommes, poster art; Kenneth Beittel, recent works; John Koch, Models and Moments.

Museum of Art HUB Gallery: Super Mud Master Works.

Thomas G. Johnson as instructor of electrical engineering at Shenango Valley Campus. B.A., Oberlin College; M.S., Youngstown State U. Formerly with Westinghouse Electric Corp.

Jeanne Kostas as assistant professor of psychology at York Campus. B.S., U. of Maryland; M.S., U. of Kentucky; Ph.D. candidate, Kentucky.

Isoroku I. Kubo as research associate, Applied Research Laboratory at University Park. B.S., Yokohama National U., Japan; Ph.D., Cornell U. Formerly research engineer, Komatsu Ltd., Tokyo.

Philippus J. Loukissas as assistant professor of urban and regional planning at University Park. Dipl. Arch. Eng., National Technical U. of Athens, Greece; M.C.P., U. of Pennsylvania; Ph.D., Cornell U. Formerly research analyst, Delaware Valley Regional Planning Commission.

Margaret P. Mandrillo as associate professor of nursing at University Park. B.S., U. of Pittsburgh; M.Ed., Ed., Teachers College, Columbia U. Formerly associate professor, U. of Virginia.

Julian D. Maynard as assistant professor of physics at University Park. B.S., U. of Virginia; M.A., Ph.D., Princeton U. Formerly adjunct assistant professor, UCLA.

WPSX Highlights

A special edition of *World in Action*, Monday, Nov. 21, at 7:30 p.m., reports on the death of Steve Biko, the 20th person to die in police custody under South Africa's 90-day detention law. The report provides exclusive coverage of events in South Africa since Biko's death. Among those interviewed are Biko's widow and leaders of the Black People's Convention which Biko founded.

A troubled Vietnam veteran works out his anger towards his family and society in a street theatre group in Brother Jonathan's *You Can Run, But You Can't Hide*, presented Monday, Nov. 21, at 9 p.m. on *Visions*.

Talkabout explores the relationship of aging and sexuality in a two-part series entitled *The Loving Years*, beginning Tuesday, Nov. 22, at 7:30 p.m. Among those appearing on the programs are Elaine Young, instructor in health education, and Edward Wickersham, associate professor of biology.

Focusing on facilities in New York City, a special two hour report, *Health Care: Your Money or Your Life*, assesses the availability of health care facilities in 1977. The program, to be seen Tuesday, Nov. 22, at 9 p.m., begins with a documentary illustrating the vast differences in public health care in America. Experts in the health field and government representatives join Jim Lehrer on the second part of the program to explore alternatives for improving health care services.

Special programming presented in conjunction with the National Women's Conference, continues on Channel 3 Wednesday, Nov. 23, beginning at 9 p.m. with *Union Maids*. The hour-long program tells the story of three women who were part of the Chicago rank and file of the labor movement in the 1930s. At 10 p.m., *National Women's Conference 1977* presents highlights of the conference held Nov. 18-21 in Houston.



"John Koch Painting Alice Neel" - from Models and Moments shown at the Museum of Art.

News in brief

(Continued from page 1)

Charity Ball tickets on sale

The ticket sale campaign for the 30th annual Charity Ball is now in progress in Centre County. Volunteers are contacting residents and businessmen to invite them to purchase tickets for the semi-formal dance in one of these three categories: patron, a contribution of \$15 or more; sponsor, \$25 to \$50; and benefactor, \$50 or more.

Sponsored by the College Area Auxiliary to the Centre Community Hospital, the dance will be held from 9 p.m. to 1 a.m. on Friday, Dec. 2, at the Elks Country Club in Boalsburg.

All contributions are tax-deductible and each ticket will admit one couple to the dance. A limited number of general admission tickets may be available, at \$10 apiece, at a later date.

Contributions will be used to purchase an echocardiogram for the Mountainview unit of Centre Community Hospital. The ultrasonic device provides diagnostic information about the heart.

Dr. and Mrs. Stanley O. Ikenberry are co-chairmen of the ticket sales to University personnel.

Library hours changed

Because of changes in the final examination schedule, Pattee Library will close at 10 p.m. on Friday, Nov. 18, and will remain closed on Saturday and Sunday, Nov. 19 and 20. The library will be open until midnight this evening (Nov. 17).

New divisions at Hershey

Two divisions - respiratory and intensive care and clinical anesthesia - have been established in the Department of Anesthesiology at Hershey.

Named to head the new divisions are Dr. Kermit R. Tantom, associate professor of anesthesiology, who will head respiratory and intensive care; and Dr. Timothy Foley, assistant professor of anesthesiology, who has been appointed as clinical director of the operating rooms.

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Nov. 25, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

WRITER, VICE PRESIDENT FOR RESEARCH AND GRADUATE STUDIES - University Park. Responsible to the Science Editor for interviewing faculty and staff about their research activities and translating the interview data plus technical reports and theses into publications that the general public can understand. Bachelor's degree, preference in journalism or English, plus one to two years of directly related experience in science writing or related field. Some magazine experience is desirable. Applicant will be judged on portfolio of samples and prior work experience.

Trustee docket

(Continued from page 1)

addition, many of the faculty in the department maintain affiliations and are active in various professional engineering societies, and most of the graduates take engineering positions.

Findings of Facilities Planning group reported

A report on Penn State's facilities needs and the development of recommendations for the capital budget program for 1978-79 to 1983-84 were presented to the Physical Plant Committee of the Board.

The report outlined the work of the Physical Facilities Planning Review Commission appointed by President Oswald last January. The findings were presented by Dr. Stanley O. Ikenberry, senior vice-president for University development and relations, who was chairman of the commission.

"Much of the time of the commission was spent in reviewing the needs of each of the academic units at Penn State," Dr. Ikenberry said.

"The report considers facility needs of academic programs as well as the implications of governmental regulations, energy conservation measures, and containment of escalating costs of maintenance and operations," he added.

Included in the commission's purview were such areas as adequate provision of faculty office space, improvement of classroom and laboratory space for student and faculty use, the need for additional library facilities, and the replacement of older facilities.

These were considered in context with other needs of the University such as requirements of governmental regulations, conserving energy, and keeping maintenance and operating costs to a minimum.

Dr. Ikenberry explained that the commission felt that new buildings should not be added until other avenues to meet space needs have been exhausted.

"In several cases renovation and reassignment of space can adequately meet space needs without the construction of new buildings," Dr. Ikenberry noted.

The commission based its recommendations on eight broad assumptions, developed in part from the initial charge to the committee by President Oswald, and also on reports received from the deans of the undergraduate Colleges and other key administrative personnel from all divisions of the University.

The basic assumptions were:

1. As a result of stabilization of enrollment and the prospect of moderate enrollment decline during the coming decade, additional physical facilities will not be required for general enrollment expansion purposes.

2. Additional physical facilities may be required to accommodate changing program needs, including highly specialized graduate, professional, research, and public service programs and a balanced cadre of facilities essential to the educational programs at each of the University's Campuses.

3. State appropriations for capital budget expenditures have declined sharply in recent years and are expected to remain at a very modest level. Also, federal facilities programs have all but disappeared. New and different programs for funding must be developed.

4. The sharp reduction in available support for capital construction purposes, paired with the burden of increased operational costs, requires the University to become as rigorous and selective as possible in setting and pursuing capital program priorities.

5. In framing the capital program for the decade ahead, increased emphasis should be placed on (a) renovation and major

maintenance of existing facilities; (b) compliance with State and federal regulations, including the Pennsylvania Department of Labor and Industry, the federal Department of Health, Education and Welfare, the federal Environmental Protection Agency, the Pennsylvania Environmental Protection Agency, Industrial Risk Insurers, and provisions for the handicapped; (c) increased investment in long-term energy conservation; and (d) investment essential to reduce or at least control escalating operating costs.

6. Decreased emphasis should be given to the construction of new facilities. Construction of new facilities should be considered only after all other alternative ways to meet the need have been thoroughly explored.

7. Physical facilities — space — constitute one of the University's major resources, along with the operating budget and human resources of the University. As in the case of the financial and human resources of the University, Penn State's physical facilities, including the nature and priorities of use, should reflect its mission and its long-range plans and programs. Policies and procedures for reallocation of space should be strengthened immediately so that the allocation or reallocation of space may be accomplished more effectively, fairly, and in proper accord with changing program needs.

8. The University's physical facilities needs, priorities, and plans must receive continuing review in light of changing conditions and circumstances.

BFA, MFA name changes

The Bachelor of Fine Arts degree with a major in music has been changed to the Bachelor of Music degree. At the same time, the Master of Fine Arts in Music degree has been redesignated as the Master of Music degree.

The changes, explains Dean Walter H. Walters, are in keeping with the accepted degree titles identifying the professional degree programs used by the National Association of Schools of Music.

Enrollment stable

Fall term enrollment at the University totals 52,881 resident instruction students. In reporting figures last Thursday, Dr. Robert E. Dunham, vice president for undergraduate studies, said enrollment was essentially stable, down nine tenths of a percent from the total of 53,363 a year ago.

Enrollment at University Park is 31,885, a gain of three tenths percent over the 31,777 figure for last fall.

Current enrollment totals 16,261 at the Commonwealth Campuses: 1,605 at Behrend College; 344 at the King of Prussia Graduate Center; 480 at Hershey; and 2,306 at Capitol Campus.

The fall enrollment includes 38,542 baccalaureate degree candidates; 3,682 associate degree students; 6,676 graduate and medical students; 1,515 non-degree students; and 2,466 provisional students.

On-campus job recruiting undergoing a revival

On-campus recruiting by employers is undergoing a revival, according to a report covering the activities of the Career Development and Placement Center for 1976-77, presented to the trustees by Dr. Raymond O. Murphy, vice president for student affairs.

"After two successive years of decreasing college recruiting activity, this past year produced evidence that increasing numbers of employers are beginning to return to college campuses for recruiting visits," Dr. Murphy said.

He noted that 628 employers sent recruiters to the University Park Campus during the year, an increase of approximately 19 percent over the previous year. He added that 13,635 job interviews were held on campus. Most of

Senate asks faculty to write legislators

The University Faculty Senate officers urge all faculty to support the campaign to impress upon the State Legislature and its leadership the urgency of solving the State budget crisis immediately. If you have not already done so, please write to your State senator and representative and the leadership of both parties today to express your concerns for higher education in Pennsylvania and especially for Penn State. Resolution of both the funding and revenue issues is essential for all of us. Please help all you can as a citizen and member of the faculty.

Unless a solution is reached prior to the Dec. 6 Senate meeting, the Faculty Senate will be considering possible actions which could be taken to assist in solving this fiscal crisis.

Please inform your senators if you have any innovative ideas on what the faculty should be doing. Thank you.

Thomas E. Daubert, Chairman
Lee W. Saperstein, Chairman-Elect
Evelyn A. Hovanec, Secretary
John J. Coyle, Immediate Past-Chairman

these interviews went to prospective graduates in the technical disciplines.

Dr. Murphy stressed that the on-campus interview program is only one way in which the Career Development and Placement Center attempts to aid students with their job search. The Center offered 140 group programs on career planning and job search issues to more than 4,000 students last year. These programs were presented in residence halls, classrooms, fraternities and sororities.

The center also cooperated with three Colleges of the University to offer credit-bearing courses dealing with career related issues.

Continuing Education report presented

In his 1976-77 report to the Board, Floyd B. Fischer, vice president for Continuing Education, said that Penn State is the only institution to have received three major awards for innovative Continuing Education programming from the American College Testing Program and the National University Extension Association.

"Although these award-winning programs in 1974, 1975, and 1977 gained national attention, many other innovative programs through Continuing Education are originated each year by the Colleges and Campuses of the University," Mr. Fischer emphasized.

In 1976-77, these innovative programs included a seven-course series by the College of Human Development to train persons to manage volunteer programs and organizations; a series of courses by the Colleges of Business Administration and Arts and Architecture in financial management of arts organizations; an extended Human Development baccalaureate degree program in law enforcement and corrections for part-time adult students; expansion of teleconference programs in the health care field by the Colleges of Medicine and Science to more than 40 hospitals in the State; and, in response to the energy crisis, a series of more than 25 short courses, workshops, and conferences in the mineral industries by the College of Earth and Mineral Sciences.

Although enrollments in credit courses through Continuing Education were down from the previous year, reflecting the national trend toward decreasing enrollments in programs for teachers, Mr. Fischer explained that programs in the specialized noncredit category served a record high of 79,631 individuals during the fiscal year, up nearly six percent over the 1975-76 enrollment figure of 75,366.

These programs include primarily the workshops, conferences, institutes, and short courses offered at some 148 locations in the Commonwealth and through the Conference Center at University Park. Many of these programs are specialized instructional offerings designed for the continuing education of persons in the professions.

Student enrollments through Continuing Education last year totaled 126,743, Mr. Fischer concluded.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Q. In the Faculty Senate report on indirect research costs, the University speaks of a total administrative overhead indirect cost rate of 57 percent figured on the total grant (each dollar received). Are fringe benefits for faculty stipends included in the base on which the indirect cost is calculated? For instance, if a faculty person received a \$10,000 grant with separate items for travel, for postage, for computer time and a faculty stipend, including fringe benefit payments, upon what would the University calculate this 57 percent indirect cost? Name Withheld

A. Indirect costs may elect to recover indirect costs on either one of two bases: (a) using modified total costs as the basis, where "modified" refers to the deletion of major equipment items in the budget and (b) using salaries and wages (S&W) as the basis. The latter method is used at Penn State, i.e., the 57.61 percent is applied to S&W.

If we were to shift to a modified total cost base, the resulting rate would be lower (approximately 48 percent) because this rate would be multiplied times a larger base number to arrive at the indirect costs in dollars. Indirect costs recovered (on an average over the span of a year) using a total cost base would not differ significantly from our present method.

As indicated in the table on page 4 of the Oct. 20, 1977, INTERCOM, the indirect cost rate of 57.61 percent covers nine allowable cost elements; three are related to administrative indirect costs.

Fringe benefits (the current rate is 19 percent) are not included in the indirect cost rate, as revealed by the table in the INTERCOM article. R. G. Cunningham, Vice President for Research and Graduate Studies

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Tickets available for "The Nutcracker"

Some tickets still remain for the Pittsburgh Ballet Theatre's production of *The Nutcracker* at 8:30 p.m. on Saturday, Dec. 3, and at 2 p.m. on Sunday, Dec. 4. Both performances, which are under the auspices of the Artists Series, will be in Eisenhower Auditorium.

Tchaikovsky's *Nutcracker* has become a Christmas classic among American ballet companies. It tells the story of a little girl, Clara, who is given a magic nutcracker which comes to life and transports her to a marvelous fantasy world, complete with a Sugar Plum Fairy, snow princes and princesses, toy soldiers and dancing flowers. Its charm appeals to audiences of all ages.

Founded in 1969 by Nicholas Petrov, the Pittsburgh Ballet Theatre is under the artistic direction of John Gilpin. Mr. Gilpin began his career with the Ballet Rambert and later performed with Roland Petit's Ballet de Paris. He joined the London Festival Theatre in 1950 when that company was founded and remained its principal dancer for the rest of his dancing career, partnering such famous ballerinas as Margot Fonteyn, Alexandra Danilova and Violetta Verdy.

Tickets for the Dec. 3 and 4 performances of *The Nutcracker* will be on sale at the Artists Series HUB Booth and Eisenhower Auditorium today (Dec. 1) and Friday, Dec. 2, from 9 a.m. to 4 p.m.

News in Brief

Winter snow removal plans announced

To help reduce snow removal costs this winter, snow will not be cleared from faculty-staff parking lots, except in cases of a major snowfall, according to Ralph E. Zilly, vice president for business. Parking in the lots will therefore not be restricted between the hours of 2:30 and 6 a.m. from Dec. 1 to March 15, as in the past. Snow will be removed from parking lots only when three or more inches accumulate.

"For this program to work, the cooperation of the entire University community is needed," Mr. Zilly said. "When there is a heavy snowfall, all vehicles will still need to be moved from the parking lots in the early hours for the snow removal crews to operate efficiently."

Mr. Zilly noted that additional savings will be achieved through eliminating the need for posting the areas with parking restriction signs and for enforcing the restriction.

The priority for snow removal will be roadways, sidewalks and then parking areas. Anti-skid materials will be utilized as necessary to help to prevent accidents.

Social Security deductions to rise next year

As of Jan. 1, 1978, earnings up to \$17,700 will be subject to Social Security withholding. This is a \$1,200 increase from the current base of \$16,500. The rate of contribution for all earnings under \$17,700 will also be increased from 5.85 percent to 6.05 percent.

The maximum Social Security tax an employee will pay in 1978 under current legislation will be \$1,150.50. However, legislation is presently under consideration in Congress which would further increase the 1978 tax. Should the proposed legislation become law, an update on the 1978 Social Security tax structure will appear in this publication.

Christmas mail schedule

During the period that offices are closed at University Park for the Christmas holiday, from 5 p.m. Wednesday, Dec. 21, to 8 a.m. Wednesday, Dec. 28, interdepartmental mail service and U.S. mail service will be suspended.

If any department has a special need for delivery of incoming U.S. mail on Dec. 22, 23, 26 and 27, University Mail Service should be notified at 865-5602 before 5 p.m. on Friday, Dec. 16, so that arrangements can be made with the U.S. Postal Service.

A department requesting this service must assign an employee to be at work in the building at a specified time to receive not only the department's mail but also all incoming mail for the building in which the department is housed. This is necessary because the U.S. Postal Service sorts incoming mail by building and not by department.

(Continued on page 6)

Senate to debate 8-week drop rule at Dec. 6 meeting

A University Faculty Senate subcommittee will recommend that Senate Policy 34-89 — the "eight-week drop rule" — be maintained in its present form, when the Faculty Senate meets on Tuesday, Dec. 6.

Critics of the policy have charged that it lowers the University's academic standards by serving as an escape for students whose performance in a course has not been good.

But following a review of the rule, the Subcommittee on Academic Standards of the Senate Committee on Academic and Athletic Standards has concluded that allowing students to drop courses late in the term does not appear to have lowered standards.

The subcommittee will recommend that the present policy be maintained unless subsequent review indicates that it has been detrimental.

In its report, the subcommittee will point out that before the current policy was enacted in spring 1976, students were allowed to drop courses up to three weeks into the term. After the third week, students could drop a course when there were "extenuating circumstances."

The subcommittee will argue that the policy was inequitable since decisions were made on a College or Campus basis, and it was therefore easier for some students than for others to drop courses.

Under the current policy, students are allowed to drop courses with a WF, WN, or W (Withdraw — Failing, Withdraw — No grade, or Withdraw — Failing) on their transcripts from the beginning of the fourth through the end of the eighth week of any term. If a student withdraws before the fourth week, there is no notation on the transcript.

The subcommittee will also recommend that the Provost consider raising the filing fee for course drops between the fourth and eighth weeks and that he consider abolishing the administrative fee waiver for the period.

Currently, there is a \$2 fee for dropping a course, but according to the subcommittee, that fee does not cover administrative costs and does not call attention to the difference between late drops and conventional drops.

During the portion of the meeting devoted to forensic business, the senators will discuss possible actions by senators and other faculty members that might be helpful in the University's current fiscal crisis.

The Senate will also hear two extensive informational reports, one on the progress of basic skills programs in English and mathematics and one on the distribution of grades within the University for the past academic year.

In other action, the Senate will receive a recommendation that future legislative proposals involving major new programs be accompanied by documented cost estimates. That proposal will be presented by the Senate Committee on Planning and Development.

The committee will point out that the proposal is being made to ensure that

(Continued on page 5)

Dr. Mueller honored posthumously with the National Medal of Science

The late Dr. Erwin W. Mueller, Evan Pugh professor emeritus of physics, was honored Nov. 22 with the National Medal of Science, presented by President Jimmy Carter in ceremonies in the Old Executive Office Bldg. in Washington, D.C.

He is the first Penn State faculty member to be so recognized.

The Nation's highest award for distinction in science and engineering, the medal was accepted by Dr. Mueller's daughter, Mrs. Richard Schwab of Harrisburg, Pa. Dr. Mueller's widow, Klara, died on Aug. 6, 1977, three months after her husband's death.

One of the University's most distinguished faculty members, Dr. Mueller passed away on May 17, 1977, in Washington, D.C., after suffering a stroke on April 27 at a meeting of the National Academy of Sciences.

Dr. Mueller was internationally known for his discoveries of field desorption, field ionization at surfaces, field evaporation of metals and fundamental effects in electron and atomic physics.

He was the inventor of the field ion microscope that enabled him in 1955 to be the first person to see an atom by imaging the individual constituents of a crystal. The instrument is still the world's most powerful microscope.

Earlier, he had invented the field emission microscope and the atom probe, the most sensitive microanalytical tool ever devised.

In 1975, Dr. Mueller was elected to both the National Academy of Sciences and the National Academy of Engineering.

Dr. Mueller joined the Penn State faculty in 1952, was appointed Evan Pugh professor of physics in 1968, and retired in 1976 with emeritus rank.

Penn Staters

Dr. George W. Gokel, assistant professor of chemistry, recently presented invited lectures at the University of Maryland and at Grace Chemical Company, Columbia, Md. He lectured on the subject, "Chemistry, in Mixed-Phase Media."

Dr. A. Daniel Frankforter, assistant professor of history at Behrend College, is the author of a book which explores the integration of the Christian church with the historical evolution of European society. Published by Nelson-Hall and titled *A History of the Christian Movement: The Development of Christian Institutions*, the work discusses the growth of Christian organizations from the perspective of their historical causes.

Dr. Frankforter develops a model for the study of church history which explains changes in ecclesiastical structures, liturgy, and dogma as reactions to the larger social phenomena which have governed the evolution of European and American societies. The conclusion of the text is that the churches have tended to follow the general course of western history more than they have sought to resist or direct it. The primary service of the church to the state, therefore, has not been to inspire change, but to encourage stability by helping societies integrate new developments with sacred traditions.

John Balaban, associate professor of English, has been awarded a Creative Writing Fellowship for 1978 by the National Endowment for the Arts.

Dr. Jean MacCluer, associate professor of biology, has been elected to a three-year term on the Board of Directors of the Society for the Study of Social Biology. Earlier this fall, she presented an invited lecture in the Department of Biological Anthropology, Oxford University, England.

Dr. Philip S. Skell, Evan Pugh professor of chemistry, recently presented invited lectures at the University of Delaware, Carnegie Mellon University, Marquette University, Union Carbide Corp., and the IBM Thomas Watson Research Center. He discussed his new work with succinimide radicals.

Last month Dr. Skell was also elected to Fellowship in the New York Academy of Sciences.

Dr. Margaret A. Newman has been appointed professor of nursing, and will serve as professor-in-charge of the graduate programs in nursing. A graduate of Baylor University, Dr. Newman received the bachelor of nursing degree at the University of Tennessee and an M.S. in medical-surgical nursing at the University of California at San Francisco. Her Ph.D. in nursing science and rehabilitation nursing was granted by New York University.

Dr. Geoffrey L. Wilson, associate professor of engineering research at the Applied Research Laboratory, has been elected to the Board of Governors of the Audio Engineering Society and appointed chairman of its Education Committee.

R. Thomas Berner, assistant professor of journalism, recently conducted a newspaper layout seminar at the American Press Institute, Reston, Va. Editors from 35 daily newspapers published in the United States participated. Prior to that, Mr. Berner conducted a seminar on writing for 20 editors at the first Pennsylvania Press Institute, held at University Park.

Andrew D. Lunzi has been promoted to assistant professor of accounting in the College of Business Administration, effective Nov. 1. Dr. Lunzi received his Ph.D. from the University of Kansas last month.



Dr. Adam Anthony, professor of zoology, recently marked his 25th year of service. He joined the University as an assistant professor in 1952, was promoted to associate professor in 1957 and to professor in 1961.

One of the organizers of the College of Science's program in biophysics, he was also instrumental in establishing the interdisciplinary doctoral programs in physiology, bioacoustics, and bioengineering. He served as program director for bioacoustics research from 1956 to 1962, for altitude physiology from 1956 to 1970, and for various analytical histochemistry projects from 1965 to the present. He was also vice chairman of the physiology program from 1965 to 1970 and chairman from 1970 to 1973.

A specialist in the physiological and histochemical aspects of environmental stresses such as noise, oxygen lack and toxicants, he has directed or co-directed 50 master's degree and 30 doctoral theses. He is the author of more than 80 research papers published in scholarly journals.

A graduate of the State University of New York at Buffalo, he earned the M.S. degree at Marquette University and the Ph.D. at the University of Chicago, where he received the John M. Prather Award, a special research fellowship.

In 1966, 1968 and 1969, he won the Darbaker Awards in microscopical science from The Pennsylvania Academy of Science for research involving use of microscopic cytophotometry to investigate adaptive endocrine, lymphatic, and hemal responses to oxygen.

In 1971, he served as a participant in the World Health Organization Symposium on Environmental Pollution in Atlanta, Ga.

Active in University affairs, he has been a member of the Faculty Senate and numerous other University, College and department committees.

Obituaries

Dr. Bruce V. Moore, 86, who retired in 1952 as professor emeritus of psychology and as the first head of the Department of Psychology, died Nov. 14.

The first person in the country to receive a degree in industrial psychology, Dr. Moore earned his Ph.D. in 1921. A member of the faculty from 1920 to 1952, Dr. Moore was honored by Penn State in 1972 with the naming of Moore Bldg.

Dr. Moore's doctoral thesis, completed under the direction of Dr. E. K. Strong, resulted in the development of the Strong Vocational Interest Blank, the most widely used instrument of its kind in the country. He was also the author or co-author of several books and monographs.

Harold R. McCulloch, professor emeritus of agricultural extension and retired assistant director of the Cooperative Extension Service, died Nov. 17 at the age of 76. He had retired in 1963 after 39 years at Penn State.

A 1924 graduate of the University in animal husbandry, he earned his M.S. in that discipline at Ohio State. From 1947 to 1969, Mr. McCulloch served as secretary of the Pennsylvania Farm Show Commission.



Dr. William H. Gotolski, professor of civil engineering and assistant dean for resident instruction in the College of Engineering, is marking his 25th year at the University.

Dr. Gotolski joined the Penn State faculty as an instructor in 1952 after serving as an instructor at Ohio University. A graduate of Columbia University, where he earned B.S. and M.S. degrees in civil engineering, Dr. Gotolski received his Ph.D. in civil engineering from Penn State. His research interest lies in the areas of the durability of asphalt concrete pavements and in methods for predicting the occurrence and effects of scour and fill on ocean bottom structures and foundations.

A Fellow of the American Society of Civil Engineers, Dr. Gotolski is a past president of the Central Pennsylvania section of that society. Since 1965 he has served as the University's liaison to the National Academy of Sciences' Transportation Research Board. He has also been a consultant to various companies and State agencies and is the author of numerous research articles.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, has received the first annual Outstanding Practitioner Award of the Pennsylvania Association for Counselor Education and Supervision. The presentation was made at the annual convention of the Pennsylvania Personnel and Guidance Association in Pittsburgh on Oct. 28.

Faculty Club News

Alumni eligible for Faculty Club membership

Members of the Faculty Club, by a vote of 278 to 51, have agreed to open the membership to eligible alumni. To be eligible, a candidate must have received a degree from the University and belong to the Penn State Alumni Association. Dues for alumni members have been set at \$90 a year.

Holiday banquets Dec. 9, 12

The Penn State Singers, directed by Raymond Brown, will provide the music for two Christmas programs to be held at the Faculty Club.

The traditional Wassail Bowl will be offered Friday, Dec. 9, at 6:30 p.m., followed by dinner at 7:30 p.m. Monday, Dec. 12, has been set aside for families who will be welcomed to a 7 p.m. banquet.

The Singers, a select group of about 25 members chosen from 350 candidates, have prepared a varied program, which includes: *Gloria by Dufay*; *Hodie Christus Natus Est*, *Gabrieli*; *Break Forth*, *O Bounteous Heavenly Light* and *Gloria Sei Dir Gesungen*, Bach; *The Blessed Son of God*, *Wassail Song* and *No Sad Thought Has Soul Affright*, Vaughan Williams; *The Holly and the Ivy*; *In the Bleak Midwinter*, Holst; *A Boy Was Born* and *A Shepherd's Carol*, Britten; *A Song Against Bore*, Kruehenbuehl; *What Choler*, Walton; and *The Shepherd's Story*, Dickinson.

Reservations may be made by phoning 865-1982.

Seminars

Friday, Dec. 2

Surface Science, Michael Wortis, University of Illinois, on "Helium Monolayers, Lattice Gases and Phase Transitions of the Triangular Ising Model," 1 p.m., Room 339 Davey.

Monday, Dec. 5

Biochemistry and Biophysics, Peter Nicholls, Brock University, on "Poisons as Probes: Ligand Binding to Cytochrome c Oxidase," 3:55 p.m., Room 101 Allhouse. Computation Center, "JCL," (4 of 5), introductory programming background suggested, 7:30 p.m., Room 110 Osmond.

Tuesday, Dec. 6

Computation Center, "Portability of Mathematical Software," 2:20 p.m., Room 110 Comp. Bldg. Plant Pathology, Samuel H. Smith on "Active and Passive Mechanisms of Plant Disease Resistance," 3:55 p.m., Room 213 Buckhout.

Thursday, Dec. 8

Chemistry, John E. Bercaw, California Institute of Technology, on "Recent Advances in Biological Nitrogen Fixation," 12:45 p.m., Room 333 Whitmore. History, Dan P. Silverman on "Financial Crisis in Post-War Europe, 1918-1922. Bad Theory, Bad Practice, or Bad Luck?" 2:30 p.m., Room 124 Sparks.

Physics, Robert Griffiths, Carnegie Mellon University, on "An Introduction to Multicritical Points," 3:50 p.m., Room 117 Osmond. Philosophy, Thomas Seeshorn on "On the Deduction of Categories," 4 p.m., Room 69 Wilard.

Computation Center, "JCL," (5 of 5), introductory programming background suggested, 7:30 p.m., Room 110 Osmond.

Friday, Dec. 9

Chemical Engineering/Catalysis, Dane C. Grenoble, Exxon, on "The Kinetics of the Water Gas Shift Reaction Over Group VIII Metals," 3:45 p.m., Room 101 Allhouse.

New computer research seminar series set up

A new seminar series on the research applications of computers has been established by the Department of Computer Science and the Computation Center. It will be held on Tuesdays at 1 p.m. in Room 235 Whitmore Laboratory.

According to the series organizer, Dr. Paul A. D. Delaine, professor of computer science, the seminars will be interdisciplinary in nature and speakers will be drawn from universities and industry.

Dr. Delaine will be the first speaker on Dec. 6. He will discuss "Automatic Deductive Systems for the Physical Sciences." Other dates, speakers and topics scheduled so far are: Dec. 13, Dr. Gerald G. Johnson, associate professor of computer science, "Image Processing"; Jan. 10, Charles Forney, assistant director of the Computation Center, "Contrasts Between MVT and MVS"; Jan. 17, Dr. Peter Jurs, associate professor of chemistry, "Computer Assisted Studies of Chemical Structures Related to Biological Activities"; Jan. 24, Dr. Francis Vastola, professor of fuel science, "Mini-Micro Computer Network Systems"; and Jan. 31, Dr. E. Gudes, assistant professor of computer science, "Research Problems in the Database/Operating System Interface."

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University Park Calendar

WINTER TERM 1977-78



Thursday, Dec. 1
Winter term classes begin, 8 a.m.
france-cinema, *Truffaut, Small Change*, 7 and 9 p.m., Room 112 Kern.

Friday, Dec. 2
College of Education lecture, Beverly Rowe on "Software for the Social Sciences," 2:30 p.m., Room 112 Kern.
france-cinema, *Small Change*, 7 and 9 p.m., Room 112 Kern.
Sports: men's swimming and diving relays, 8 p.m.; wrestling, Penn State Invitational. Artists Series, Pittsburgh Ballet Theatre, *The Nutcracker*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Dec. 3
Sports: wrestling, Penn State Invitational: men's swimming and diving relays; men's fencing, vs. Maryland, 1 p.m. Artists Series, Pittsburgh Ballet Theatre, *The Nutcracker*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Dec. 4
University Chapel service. Mr. Charlie "Tremendous" Jones, author, businessman, Harrisburg, 11 a.m., Eisenhower Chapel.
Faculty Club brunch/theatre party, 12:30 p.m., Faculty Club.
Ice U registration, 1-6 p.m., HUB ballroom.
Sports: men's and women's bowling, vs. Maryland, 1 p.m.

Artists Series, Pittsburgh Ballet Theatre, *The Nutcracker*, 2 p.m., Eisenhower Auditorium.
Shaver's Creek Nature Center, Wreaths and Other Holiday Decorations workshop, 2 p.m., Stone Valley.
Phi Beta Kappa annual Founder's Day sherry party, spouses included, 3-5 p.m., Fireside Room, Nittany Lion Inn.
SA, John Jackson, In Concert, 8 p.m., Room 112 Kern.
Late Livingston, bantone, 8:30 p.m., Music Bldg. recital hall.

Week of Dec. 5

Monday, Dec. 5
Vashekiv Galleries print sale, through Dec. 9, 9 a.m.-6 p.m., HUB gallery.
Intramural sports: women's racquetball (single elimination) entry open. Entry close, noon, Dec. 8.
france-cinema, *Truffaut, Small Change*, 7 and 9 p.m., Room 112 Kern.
Sports: men's basketball, vs. Delaware, 7:30 p.m.
Ice U course initiators meeting, 8 p.m., HUB reading room.

Tuesday, Dec. 6
Last date for meetings involving Commonwealth Campus faculty.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Ice U classes begin.
Journals of the Museum of Art Gallery Talk, Kenneth Beittel, PSU, on "Potters East and West," 10:30 a.m., Museum of Art.
Penn State Outing Club meeting, 7:30 p.m., HUB ballroom.

Phi Beta Kappa, Dr. Obaid will speak, 8 p.m., Room 101 Kern.

Wednesday, Dec. 7
Last date for registering with foreign language departments (other than French and Spanish) for written language examinations.
Sports: men's swimming, vs. St. Bonaventure, 4 p.m.; men's basketball, vs. Virginia Tech, 8:30 p.m.
Commonplace Theatre, *The Eiger Sanction*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series Film Festival, American Film Theatre, Anton Chekhov, *Three Sisters*, 8 p.m., Eisenhower Auditorium.
Symphony Quintet, 8:30 p.m., Music Bldg. Recital hall.

Thursday, Dec. 8
Used Ministry, panel discussion of "Penn State as a Community Beyond the Academy," with Walter E. Freeman, Division of Community Development, and George R. Hudson, Division of Counselor Education and Educational Psychology, 7:30 p.m., Room S-205 Henderson.

Friday, Dec. 9
Sports: wrestling, vs. Buffalo, 4 p.m. (EWL meet).
Raymond Brown and the Penn State Singers, wassail bowl, holiday banquet, 6:30 p.m., Faculty Club.
france-cinema, *Carne, Bizarre, Bizarre*, 7 and 9 p.m., Room 112 Kern.
East Halls Residence Association concert, Steve Wyncopp, HUB ballroom.
Raymond Page, viola, 8:30 p.m., Music Bldg. recital hall.

Saturday, Dec. 10
Sports: coed rifle, vs. Youngstown, 10 a.m.; women's basketball, vs. Immaculata, 1 p.m.; men's fencing, vs. Montclair State, 1 p.m.; wrestling, vs. N.C. State, 4 p.m.; men's basketball, vs. N.C. State, 7:30 p.m.
OTIS Casino Night, 7:30 p.m., HUB ballroom.

Sunday, Dec. 11
University Chapel service. Dr. Joseph E. O'Donnell, Jr., Andover Newton Theological School, 11 a.m., Eisenhower Chapel.
Sports: men's and women's bowling, vs. Montgomery, 1 p.m.
Shaver's Creek Nature Center, Natural Materials Crafts workshop, registration necessary - 865-1851, 2 p.m., Stone Valley.
Messiah Sing-In, 3:30 p.m., Eisenhower Auditorium.
Brent Wissick, 'cello, 3:30 p.m., Music Bldg. recital hall.

Week of Dec. 12

Monday, Dec. 12
Add deadline.
Intramural sports: men's graduate student and faculty/staff racquetball (round robin) entry open. Entry close, noon Dec. 15.
Eco-Action film, "Living the Good Life," 10 a.m.-3 p.m., HUB assembly hall.
Focus on Sweden folk dancing, noon, HUB gallery: Lucia Celebration, 7:30 p.m., HUB reading room.
france-cinema, *Bizarre, Bizarre*, 7 and 9 p.m., Room 112 Kern.
Raymond Brown and the Penn State Singers, family holiday banquet, 7 p.m., Faculty Club.
Penn State Percussion Ensemble, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Dec. 13
Eco-Action film, "Living the Good Life," 10 a.m.-3 p.m., HUB assembly hall.
Hetzl Union Board, Trim the Tree workshop, 11 a.m.-2 p.m., HUB north lounge.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club, Olga Ragusa, Columbia University, on "On Being an Editor."
Sports: wrestling, vs. Florida, 7:30 p.m.
Artists Series Film Festival, Keaton, *One Week: The Boat; Steamboat Bill, Jr.*, 8 p.m., Eisenhower Auditorium.
Department of Spanish, Italian and Portuguese lecture, Olga Ragusa on "Ghosts, Spirits and Characters in Search of Pirandello," 8 p.m., Room 112 Kern.

Wednesday, Dec. 14
Last date for March graduates to activate diploma cards in Registrar's Office and pay thesis fees at Bursar's Office.
Hetzl Union Board Christmas Craft demonstration, 11 a.m.-2 p.m., HUB main lounge.
Africa Studies Forum, Gerald Moser, PSU, on "The Lusophone (Portuguese Language) Literature of Africa Since Independence," 7:30 p.m., Room 101 Kern.
Commonplace Theatre, *Lenny*, 7:30 and 9:30 p.m., Room 112 Kern.
Sports: wrestling, vs. Cal Poly, 7:30 p.m.
Composer's Concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, Dec. 15
Christmas Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.
Hetzl Union Board Holiday Fireside Chat, 7:30 p.m., HUB reading room.
Japanese language and literature films, 7:30 p.m., HUB assembly hall. "Our Ancestor The World of 'Jomon'." "Culinary Art of Japan." "Noh, Medieval Lyric Drama," and "Kabuki, Classic Theatre."

Friday, Dec. 16
Christmas Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.
Hetzl Union Board film, *Oliver*, 7:30 p.m., HUB assembly hall.
Sports: gymnastics, vs. Michigan State, 8 p.m.
David Vogel, viola, 8:30 p.m., Music Bldg. recital hall.

Saturday, Dec. 17
Hetzl Union Board film, *Oliver*, 1 and 7:30 p.m., HUB assembly hall.
Sports: women's swimming, vs. Rutgers, 1:30 p.m.; men's swimming, vs. Rutgers, 4 p.m.
Graduate Commons Madrigal Dinner, 6:30 p.m., Room 102 Kern.
france-cinema, *Demy, Donkey Skin*, 7 and 9 p.m., Room 112 Kern.
Faculty Club, Winter Holiday Ball, 9 p.m., Faculty Club.

Sunday, Dec. 18
University Chapel service. Christmas Concert, All Faith Choir, 11 a.m., Music Bldg. recital hall.
Hetzl Union Board film, *Oliver*, 1 and 7:30 p.m., HUB assembly hall.
Shaver's Creek Nature Center, Birdhouse and Feeder Building workshop, registration necessary - 865-1851, 2 p.m., Stone Valley.
Penn State Glee Club, 3 p.m., Eisenhower Auditorium.
Graduate Commons Madrigal Dinner, 6:30 p.m., Room 102 Kern.
france-cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

Week of Dec. 19

Monday, Dec. 19
Passfall deadline.
John Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Dec. 20
Winter term recess begins, 9:55 p.m.
Passfall deadline.
ARL Awards Day program, 3:30 p.m., Room 112 Kern.

Thursday, Dec. 22
Holiday, University offices closed.

Friday, Dec. 23
Holiday, University offices closed.

Sunday, Dec. 25
Christmas Day, holiday.

Week of Dec. 26

Monday, Dec. 26
Holiday, University offices closed.

Tuesday, Dec. 27
Holiday, University offices closed.

Week of Jan. 2

Wednesday, Jan. 4
Winter term classes resume, 8 a.m.
Drop deadline.
Passfall deadline.
Course repeat deadline.
Pre-registration deadline (spring term 1978).
Commonplace Theatre, *Five Easy Pieces*, 7:30 and 9:30 p.m., Room 112 Kern.
Sports: men's basketball, vs. Rutgers, 7:30 p.m. (EAA game).

Thursday, Jan. 5
Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.

Friday, Jan. 6
Sports: women's basketball, Penn State invitational.
Artists Series, Tokyo String Quartet, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 7
Last date for March graduates to deliver doctoral theses to Committee.
Shaver's Creek Nature Center, Cross-Country Ski workshop, 9 a.m.-noon; How Plants Were Named, 8 p.m., Stone Valley.
Sports: women's basketball, Penn State invitational; men's basketball, vs. Duquesne, 7:30 p.m. (EAA game).

Sunday, Jan. 8
University Chapel service. Dr. Robert L. Cohn, PSU, 11 a.m., Eisenhower Chapel.
Sports: men's and women's bowling, vs. Drexel, 1 p.m.
Shaver's Creek Nature Center, Winter Discovery Walk, 2 p.m., Stone Valley.
france-cinema, *Truffaut, Day for Night*, 7 and 9 p.m., Room 112 Kern.

Week of Jan. 9

Monday, Jan. 9
france-cinema, *Day for Night*, 7 and 9 p.m., Room 112 Kern.
Robert Trehy, baritone, all Schubert recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 10
Fixed date for meetings involving Commonwealth campus faculty.
University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Robert Hume, English, on "The Coke Papers: New Light on the Introduction of Italian Opera to England."

Wednesday, Jan. 11
Commonplace Theatre, *Harold and Maude*, 7:30 and 9:30 p.m., Room 112 Kern.
Sports: men's basketball, vs. Syracuse, 7:30 p.m.
Artists Series Film Festival, American Film Theatre, Simon Gray, *Butley*, 8 p.m., Eisenhower Auditorium.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 12
Sports: wrestling, vs. Oklahoma, 7:30 p.m.
Artists Series, Orchestra Camerata of Salzburg, 8:30 p.m., Eisenhower Auditorium.

Friday, Jan. 13
Board of Trustees meeting, Room 402 Keller.
Hillel films, *Harold and Maude* and *Star Trek Bloopers*, 7 p.m., HUB assembly hall.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.
Shaver's Creek Nature Center, Owl Prowl, 8 p.m., Stone Valley.
Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital hall.

Saturday, Jan. 14
Last date for final oral doctoral examinations for March graduates.
Last date for March graduates to deliver master's theses or papers to adviser.
Board of Trustees meeting, Room 402 Keller.
Faculty Women's Club, Mid-Winter Coffee, honoring Trustees' wives, 9:30-11:30 a.m., Faculty Club.

Sports: men's and women's bowling, vs. Penn State-Capitol, 1 p.m.; wrestling, vs. Cleveland State, 2 p.m. (EWL meet).
Shaver's Creek Nature Center, Children's Story Hour, 2 p.m., Stone Valley.
Hillel films, *Harold and Maude* and *Star Trek Bloopers*, 7 p.m., HUB assembly hall.

Sunday, Jan. 15
University Chapel service. Dr. David Shannon, Luther King, Jr. Service, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Ice Fishing and Fly Tying, 2 p.m., Stone Valley.
france-cinema, *Tati, Playtime*, 7 and 9 p.m., Room 112 Kern.



Hill) films, *Harold and Maude* and *Star Trek* Bloopers, 7 p.m., HUB assembly hall.

Week of Jan. 16

Monday, Jan. 16

Deadline for completed applications for IAHS Research Fellowships for summer and fall terms; Ishbel Cottage.

france-cinema, *Playtime*, 7 and 9 p.m., Room 112 Kern.

PSU Baroque Ensemble, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 17

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. John Kaser, Libraries, on "An Actress: On Paper, On the Stage and In Brazil."

Artists Series Film Festival, Lloyd, *Never Waken and Why Worry?* 8 p.m., Eisenhower Auditorium.

Wednesday, Jan. 18

Commonplace Theatre, *Steppenwolf*, 7:30 and 9:30 p.m., Room 112 Kern.

Friends of the Museum of Art Gallery Talk. Fredenck R. Matson, PSU, on "The Pottery of Ancient Egypt and Their Present-Day Descendants: The Importance of Pottery in Human History," 8 p.m., Museum of Art.

University Theatre, student preview, *The Runner Stumbles*, 8 p.m., Pavilion Theatre. Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 19

Central Pa. Society of the Archeological Institute of America, Arielle Kozloff, Cleveland Museum of Art, on "International Politics and Art of Tutankhamen's Egypt," 8 p.m., Room 101 Kern.

University Theatre, Milan Stitt, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Friday, Jan. 20

Sports: men's basketball, vs. Massachusetts, 7:30 p.m., (EAA game).

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Artists Series, New York Renaissance Band, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 21

Sports: men's fencing, vs. William Patterson and Ohio State, 9 a.m.; men's and women's bowling, vs. Bloomsburg, 1 p.m.; women's fencing, vs. Ohio State, 1 p.m.; women's swimming, vs. Pittsburgh, 1:30 p.m.; men's swimming, vs. Pittsburgh, 4 p.m.

Phi Who Folies, 11 a.m.-6 p.m., HUB ballroom. france-cinema, International Animation Festival, 7 and 10 p.m., and *Last Year at Marienbad*, 8:15 p.m., Room 112 Kern.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Sunday, Jan. 22

University Chapel service. Dr. Theodore Kiefer, PSU, 11 a.m., Eisenhower Chapel. Shaver's Creek Nature Center, Family Nature Movies, 2 p.m., Stone Valley.

Cynthia Schade, Dute, 3:30 p.m., Music Bldg. recital hall.

france-cinema, International Animation Festival, 7 and 10 p.m., and *Last Year at Marienbad*, 8:15 p.m., Room 112 Kern.

Sports: men's volleyball, Nittany Lion Invitational.

Week of Jan. 23

Monday, Jan. 23

Coaly Society Speaker's Contest, 6:30 p.m., HUB assembly hall.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Jan. 24

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Peter Lewis, Geography, on "Signs on the Land."

Sports: women's swimming, vs. West Chester, 4 p.m.; women's basketball, vs. Pittsburgh, 7 p.m.

Coaly Society Speaker's Contest, 6:30 p.m., HUB assembly hall.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Wednesday, Jan. 25

Coaly Society Speaker's Contest, finals, 6:30 p.m., HUB assembly hall.

Commonplace Theatre, *Engorged of the North*, 7:30 and 9:30 p.m., Room 112 Kern.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Thabia Trio, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 26

Last date for submission of spring term reserve reading lists, Room W2, Pate.

Japanese language and literature films, 7:30 p.m., HUB assembly hall.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Friday, Jan. 27

Campus 4-H Club Square Dance, 8 p.m., HUB ballroom.

Sports: gymnastics, vs. York (Canada), 8 p.m. University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Saturday, Jan. 28

Shaver's Creek Nature Center, Adventure Series, for children 7 and older, 10 a.m.-3 p.m.; Fireside Reading, 8 p.m., Stone Valley.

Sports: women's basketball, vs. Rutgers, 2 p.m.; men's basketball, vs. Pittsburgh, 7:30 p.m., (EAA game).

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 29

University Chapel service. The Rev. Charles L. Coleman, PSU, 11 a.m., University Chapel.

USG Flea Market, noon-9 p.m., HUB ballroom.

Shaver's Creek Nature Center, History Walk, 2 p.m., Stone Valley.

france-cinema, Robert, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Week of Jan. 30

Monday, Jan. 30

Last date for March graduates to deliver theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for March graduates.

First day for signing spring term NDLS and University Long Term Loans, Room 108 Shields.

USG Flea Market, 11 a.m.-5 p.m., HUB ballroom.

france-cinema, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Nancy Ackerman, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 31

USG Flea Market, 11 a.m.-5 p.m., HUB ballroom.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. James Swency, History, on "The Life and Letters of Innocent III."

Sports: women's basketball, vs. Cortland, 7 p.m.

Wednesday, Feb. 1

USG Flea Market, 11 a.m.-9 p.m., HUB ballroom.

Afro-American Studies Forum, Beverly Lindsay, PSU, will speak, 7:30 p.m., Room 101 Kern.

Commonplace Theatre, *High Sierra*, 7:30 and 9:30 p.m., Room 112 Kern.

Claremont Quintet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 2

Sports: men's and women's bowling, ACU Region 1 Tournament; men's basketball, vs. Marquette, 7:30 p.m.

Friday, Feb. 3

Sports: men's and women's bowling, ACU Region 1 Tournament.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Artists Series. Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 4

Sports: men's and women's bowling, ACU Region 1 Tournament; women's fencing, vs. J. Madison and Cornell, 9 a.m.; coed rifle, vs. N.Y., 10 a.m.; men's fencing, vs. Cornell, 1 p.m.; men's volleyball, vs. Nyack, 1 p.m.

(ECVL game); women's basketball vs. Shippensburg, 2 p.m.; men's swimming, vs. Temple, 2 p.m.; wrestling, vs. Navy, 2 p.m.; gymnastics, vs. So. Connecticut, 7:30 p.m.

Shaver's Creek Nature Center, Winter Stars, 8 p.m., Stone Valley.

Artists Series. Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 5

University Chapel service. Miss Mary Marks, Pittsburgh Theological Seminary, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Snow and Ice, 2 p.m., Stone Valley.

france-cinema, Jaecquin, *The Story of O*, 7 and 9 p.m., Room 112 Kern.

Week of Feb. 6

Monday, Feb. 6

Sports: women's basketball, vs. East Stroudsburg, 7 p.m.

france-cinema, *The Story of O*, 7 and 9 p.m., Room 112 Kern.

Philip Detton, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 7

Fixed date for meetings involving Commonwealth Campus faculty.

Bloodmobile, HUB ballroom.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Alegria Bendaek, Comparative Literature, Schuykill, will speak.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Black Studies film, Xala by Senegal's Ousmane Sembene, 7 p.m., Roberts Cultural Center.

IAHS/French Dept., Theatre du Double. Diderot, *Le Sarpement au voyage de Bougainville*, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Feb. 8

Lat drop deadline.

Last day for signing winter term NDLS and University Long Term Loans, Room 108 Shields.

Bloodmobile, HUB ballroom.

Commonplace Theatre, *Key Largo*, 7:30 and 9:30 p.m., Room 112 Kern.

Sports: men's basketball, vs. Temple, 7:30 p.m.; men's swimming, vs. Bucknell, 7:30 p.m.

Artists Series Film Festival, American Film Theatre, Eugene O'Neill, *The Iremas Cometh*, 8 p.m., Eisenhower Auditorium.

University Theatre, student preview, *Thieves' Carnival*, 8 p.m., The Playhouse.

Artists Series, La Chambre du Roy, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 9

Faculty Women's Club Lecture. Polly Eddy on "Is There Still a Job for the Volunteer?" 1:15 p.m., Memorial Lounge, Eisenhower Chapel.

University Theatre, Jean Anouilh, *Thieves' Carnival*, 8 p.m., The Playhouse.

Friday, Feb. 10

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 11

Sports: coed rifle, vs. Army and Lehigh, 10 a.m.; men's volleyball, vs. Cornell, 1 p.m., (ECVL game); women's basketball, vs. Ursinus, 2 p.m.

Shaver's Creek Nature Center, Nature Series for Children, 1-3 p.m., Stone Valley.

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Sunday, Feb. 12

University Chapel service. The Rev. Ernest Hawk, PSU, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Insects in Winter, 2 p.m., Stone Valley.

france-cinema, Duras, *Destroy, She Said*, 8:30 p.m., Room 112 Kern.

Week of Feb. 13

Monday, Feb. 13

france-cinema, *Destroy, She Said*, 8:30 p.m., Room 112 Kern.

Rebecca McKee, viola, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 14

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Vickie Ziegler, German, will speak.

Artists Series Film Festival, Keaton, *Grand Slam Over, The Palace; The Electric House; Sherlock Jr.* 8 p.m., Eisenhower Auditorium.

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Wednesday, Feb. 15

Fourth Annual Penn State Film Festival.

Sports: men's swimming, vs. Bloomsburg, 4 p.m.; men's basketball, vs. West Virginia, 7:30 p.m., (EAA game).

5 O'Clock Playwright's Theatre, 5:30 p.m., Pavilion Theatre.

Commonplace Theatre, *They Drive by Night*, 7:30 and 9:30 p.m., Room 112 Kern.

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Thursday, Feb. 16

Fourth Annual Penn State Film Festival.

Sports: men's swimming, vs. Bloomsburg, 4 p.m.; men's basketball, vs. West Virginia, 7:30 p.m., (EAA game).

5 O'Clock Playwright's Theatre, 5:30 p.m., Pavilion Theatre.

Commonplace Theatre, *They Drive by Night*, 7:30 and 9:30 p.m., Room 112 Kern.

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Friday, Feb. 17

Fourth Annual Penn State Film Festival.

5 O'Clock Playwright's Theatre, 5:30 p.m., Pavilion Theatre.

Commonplace Theatre, *They Drive by Night*, 7:30 and 9:30 p.m., Room 112 Kern.

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Artists Series, Paul Taylor Dance Company, 8:30 p.m., Eisenhower Auditorium.

Composer's Concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 18

Last date for submitting petition to Records Officer to graduate in absentia in March.

Sports: women's fencing, vs. Brockport, 9 a.m.; men's fencing, vs. Pace, 1 p.m.; women's swimming, vs. West Virginia, 1:30 p.m.; men's swimming, vs. West Virginia, 4 p.m.; wrestling, vs. Pittsburgh, 7 p.m., and vs. Syracuse, 9 p.m.

University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Artists Series, Paul Taylor Dance Company, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 19

University Chapel service. The Rev. Michael Scrogin, University Baptist Church, Stone Valley, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Animal Tracks and Traces, 2 p.m., Stone Valley.

Week of Feb. 20

Monday, Feb. 20

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Steven Smith, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 21

Sports: women's swimming, vs. East Stroudsburg and Clarion, 4 p.m.

Wednesday, Feb. 22

Last day for signing winter term Emergency Loans, Room 108 Shields.

Commonplace Theatre, *The Idiot*, 7:30 and 9:30 p.m., Room 112 Kern.

Winter term classes end, 9:55 p.m.

Thursday, Feb. 23

Final examinations.

Friday, Feb. 24

Final examinations.

Saturday, Feb. 25

Final examinations. Sports: men's volleyball, vs. Rochester, 1 p.m.

Week of Feb. 27

Monday, Feb. 27

Final examinations.

Thursday, March 2

Fixed date for meetings involving Commonwealth Campus faculty.

Sports: women's swimming, EIAIW Championships.

Friday, March 3

Fixed date for meeting involving Commonwealth Campus faculty.

Sports: women's swimming. EIAIW Championships.

Saturday, March 4

Commencement, 10:30 a.m., Rec. Bldg.

Sports: women's swimming. EIAIW Championships.

Exhibits

Chambers Gallery

David Van Dommelen and Karen Roth, fibers, Dec. 1-20.

Molly Terrill, paintings on paper, and PSU undergraduate and graduate Art students, glass, Jan. 9-25.

PSU Art Education graduate students, all media, Jan. 30-Feb. 21.

Earth and Mineral Sciences Museum

Open Tuesday - Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., and by appointment. Mineral Industries Bldg.

Frost Entomological Museum

Open weekdays, 9 a.m.-noon and 1-4:30 p.m., Room 102 Patterson. Architecture of insects and related arthropods.

HUB Gallery

Jinx Webster, hand built pottery, Dec. 1-31.

Denise Cassie, candles, Dec. 1-31.

Model Railroad Club exhibit, Dec. 1-31.

Ukrainian Club exhibit, Dec. 1-31.

Kern Commons Gallery

International Christmas artifacts, Dec. 3-22.

Lim Byung Jin, Japanese paintings, Dec. 3-22.

Mary Cadu Rubenstein, prints, Jan. 3-14.

Lori Baldwin and Geza Tekeli, photos, Jan. 3-14.

Catholic Pa. Scholastic Art Awards, Jan. 14-48.

Harley Strunk, photographs, Jan. 28-Feb. 11.

Glenn Ziemke, glass, Jan. 28-Feb. 11.

African fabrics, Feb. 11-25.

Museum of Art

Open Tuesday - Sunday, noon-5 p.m. Tours, 2:30 p.m. on Sundays.

Lanny Sommes, poster art, through Dec. 21.

Kenneth Bettel, recent works, through Dec. 21.

John Koch, Models and Moments, through Dec. 21.

The First Five Years, anniversary show of selections from the permanent collection, opens Jan. 8.

Bill Dole, collage, Jan. 8-Feb. 26.

Robert Kulicke, jigsaw/junk paintings, opens Jan. 8.

Zoller Gallery

Open weekdays 8 a.m.-5 p.m., Saturday and Sunday, noon-5 p.m.

Student Holiday Exhibition and Sale, Dec. 13-18.

Major Contemporary Photographers, a traveling photo exhibition available through funding from the National Endowment for the Arts, Feb. 4-22.

BDR — Differing positions on the best way to prepare students

Editor's Note: INTERCOM offers the following comments as background while the Faculty Senate considers the report of its BDR Committee.

The report of the BDR Review Committee, if adopted, with exceptions similar to those listed, will not greatly affect the courses students take or redistribute teaching loads. It does, however, perpetuate an approach to general education that is counter to what some faculty feel is wise.

We seem to spend a great deal of effort attempting to assure quality through organization, exercises in taxonomy, promulgation of rules and regulations and many levels of review and approval. I am open to having it demonstrated to be otherwise, but I feel that the things that really count are the quality of the faculty and the quality of our students. Quality education does not emerge from lists of courses or partitioning of the faculty into boxes. In my opinion a high level of ordering or prescribing of electives that can be taken to fulfill requirements for graduation tends to foster dependence upon authority rather than a higher level of scholarship and responsibility for one's own scholarly development. The

assumption that students and faculty advisors are not capable of making wise decisions can be a self-fulfilling prophecy. There are those who would maintain that having been awarded a degree from a university should imply something more than having fulfilled the requirements for a scout merit badge in rock collecting after having gathered the prescribed number and types of rocks. Many people feel that the learning experience should include the right to make wrong decisions. The knowledge that the decision, as well as the consequences, rest with the individual and the exercise of making choices is also an enriching and maturing experience.

The report of the Ad Hoc Committee acknowledges the fact that there are courses that fulfill the BDR requirements scattered throughout the University by including a list of exceptions to the general principle they advocate. Their resolution states:

"BDR courses shall be offered only by the core colleges; exceptions must be approved by the Curricular Affairs Committee."

Some faculty object to the approval of a statement that is not true in fact at the present time and is not likely to be true in the future. The implication that if biology were to return to the College of

Agriculture it would not fulfill the BDR requirements or that fewer biology offerings would be suitable, or that if geosciences were to move to the College of Science all of its courses would be acceptable but now they are not seems to defy logic. Many of our curricula are highly structured in order to achieve proficiency in a profession. Do we need to further structure the education of students by limiting their choices of general education requirements? It would be wrong if a student in economics decided that a course in electrical engineering covering the theory of analog computers and taught by an inspired scholar interested him and he were to be dissuaded from enrolling because he could not do so and satisfy the BDR requirements. Would it really be better for the student to choose a less challenging elementary course in another field taught by a graduate assistant because it is on the "list"? Inspiring and thoughtful courses and faculty capable of enriching the life of students exist within all units of the University. I do not feel that the quality of the program a student follows is necessarily any better if we decide where those enriching courses are than if the student and his advisor decide. The knowledge and experiences that shape

our lives sometimes are acquired in unlikely places.

C. L. Hosler, Dean
College of Earth and Mineral Sciences

I strongly feel that at least three credits of Engineering and Technology should be required as a part of BDR. Some of the major engineering decisions (e.g., supersonic transport, nuclear energy, etc.) are undertaken by non-engineers. In view of this, it is essential to expose the university graduates to rudiments of technology. Engineering courses (Engr) 110, 111, 112, 113, 114, 120, 124, 125, 129, 200, 410, 450 and Aersp 126, 200 would serve the purpose. I would like to see a separate category, i.e. Engineering and Technology (3 credits), included in the BDR.

In a technological society such as ours a well-rounded citizen should be exposed to some aspects of technology (energy, transportation, engineering, medicine, power generation, etc.).

Budugur Lakshminarayana,
Professor of Aerospace Engineering

Not too long ago I was part of a small group who were entertaining a visiting Nobel scientist by buying him (and ourselves) dinner at the Corner Room. During a lull in the conversation, one of our number asked him what the mission of a university is. It took him several seconds to realize that his questioner wasn't kidding and one or two more to frame a reply. "The mission of a university," he said, "is to serve as a place where those who wish to work with the intellect may assemble for this purpose and train others who have the same goal." I have already had a number of occasions to borrow his statement of mission; it will permeate the following paragraphs, and I will continue to use it until I hear a better one.

Although at a large university many things are done, it is our supposition that all will make high-level use of the intellect. We will, as a natural consequence, be expected to turn out automotive engineers rather than car mechanics, agronomists rather than field hands, and industrial accountants rather than bookkeepers. What exactly is it that separates the one from the other? It is not necessarily native intelligence but the extent to which the intellect has been conditioned for the role it is to assume. There is, indeed, hardly any career in which the brain can function

with maximum effectiveness unless it has been adequately prepared for such activity. Also, because a university is not a v-tech school, it does not devote its attention exclusively to the career requirements of its students. College graduates, instead of spending every "off duty" minute viewed to a TV set or at the bowling alley, engage (don't they?) in citizenship and leisure-time activities which make at least modest demands of the intellect. The person who knows something, for example, about psychology, economics, physics, philosophy, biology, and history is, to my mind, a better bet to perform well as a voter, a member of a school board, a reader of novels, a vacationing sightseer, or an amateur breeder of roses than the person who does not. In short, it almost always profits the thinker to know something of the thoughts of thinkers who have been there before him.

Identifying what constitutes adequate preparation for intellectual activity is not nearly so troublesome as persuading some students that they ought to have this preparation. If math were not required of budding engineers, not a few would try to avoid it completely; and if English composition were not specified for biology majors, the average teaching load in the

Department of English would decrease markedly. All this is by way of saying that even within their own majors students will not automatically enroll in courses that are absolutely essential. But if we are appalled at the thought of the engineer who knows no math and the biologist who cannot arrange his thoughts in an orderly fashion on paper, what may we expect students to select when it comes to choosing subjects which do not touch in a direct way on their majors? What may we surely expect is that some, and especially those for whom high grades are imperative (such as premedical students), will elect courses that will be easy for them and yet not raise too many eyebrows. Still others, though not intimidated by rigor, will, when confronted by a seemingly endless menu of possibilities, make their selections for reasons which will not stand up under close scrutiny.

The Senate ad hoc Committee on BDR Review, in essence, is reaffirming the University's earlier position that not every conceivable combination of courses available at Penn State is calculated to condition the intellect for dealing with the many matters, career-related and other, that inevitably confront the thoughtful adult. Having decided that certain combinations are better suited to the purpose than others, the committee has

prepared a categorized listing of those subjects which traditionally have formed the foundation for activity in virtually every branch of human thought and recommended that no baccalaureate student leave Penn State without at least minimal exposure to several of the categories.

It should come as no surprise that much of the subject matter the committee feels should be used to satisfy the BDR requirements will be found in the core colleges. It is in these three colleges that the bulk of the "service load" for students in the professional colleges resides. These service courses, by and large, are the stepping stones to intellectual accomplishment in every subject matter represented at Penn State. It is for this reason that the committee's second recommendation, that "BDR courses should be offered only by the core colleges," would seem to be an entirely appropriate rule of thumb. Ample provision is made for exceptions, which must certainly be anticipated. Among the requests for exceptions, incidentally, will be one from me recommending that certain courses in the College of Science not appear on the final listing of approved BDR courses.

Thomas Wartik, Dean
College of Science

Funding Sources

For further information, call 865-1372

(296-1) The HEW Office of Education has announced a Jan. 12 deadline for new grant applications under its Women's Educational Equity Act (WEEA) Program. Continuation applications have an April 14 deadline. The program is twofold: (1) to develop the capacity of responding to nationwide problems, and (2) to develop products that can be used by others. It will not provide direct services to institutions, agencies or individuals. Both small grants (\$15K) and general grants (\$35-\$175K) will be funded. (Ref: WEEA guidelines) (CFDA 13.565)

(296-2) Grants for dissertation research in the area of health services are supported by the HEW/PHS National Center for Health Services Research (NCHSR). Eligible applicants must be enrolled in a doctoral degree program in the social, medical, management or health sciences and be planning dissertation research on an aspect of health care delivery. The total direct costs for the proposed research budget must not exceed \$25K. The next deadline is Feb. 1. (Ref: NCHSR Solicitation)

PSU ranks seventh in fund return

Penn State ranks seventh among 123 college and university endowment fund pools in average annual total return from endowments.

With an average total return of 13.12 percent for the year ending June 30, 1977, Penn State's results were only slightly below the gain reported for the endowment fund showing the highest return, according to information provided to Robert A. Patterson, senior vice-president for finance and operations.

The preliminary report on returns received was made by the National Association of College and University Business Officers, which is composed of 107 colleges and universities with an endowment that exceeds one billion dollars.

Penn State has two basic endowment funds. The June 30 market value of The Milton S. Eshesky Medical Center endowment was \$15,312,000 and the fund

produced \$1,054,000 in income. The Associated Trust Fund, which consists of money supporting about 200 University scholarships, had a market value of \$8,948,000 and the income was \$633,000.

The Penn State return of 13.12 percent during the past year included an income yield of more than 7 percent plus capital gains. The return was 15 percent greater than the 5.14 percent average for all of the reported endowment pools, and 27.52 percent greater than the Standard and Poor 500 Index of 0.46 percent for the year. Dow Jones Industrial Averages for the year showed a 4.45 percent loss.

During the three-year period which ended on June 30, 1977, Penn State's funds showed a total return of 1251 percent, and for the five-year period, 5.62 percent.

The funds have a five-year compound annual growth rate of about 5 percent and income has grown at the compound annual rate of 8.3 percent.

Senate

(Continued from page 1)

adequate attention is given to the fiscal impact of new proposals. Committee spokesmen will emphasize, however, that they do not want to imply that new proposals should be dropped from Senate consideration on the basis of cost. The Senate Committee on Committees and Rules will propose a change in the wording of the duties of the Senate Committee on Research. The editorial change has been requested by the latter committee.

In addition, the Senate Committee on Admissions, Records, and Scheduling will propose revisions, primarily editorial, to the Academic Policies and Procedures for Undergraduate Students. The changes are proposed in light of legislation passed last May on the retention and transfer of students in baccalaureate program majors.

News in brief

(Continued from page 1)

Kern Madrigal Dinner

The Graduate Commons will present its annual Madrigal Dinner/Concert at 6:30 p.m. on Saturday and Sunday, Dec. 17 and 18, in Room 102 Kern Graduate Bldg. The setting will be a 16th century English castle, replete with banners, shields, coats-of-arms, pine boughs, and shimmering candles. The King and his Court will preside over the feast, and court rules will be observed.

The menu will include the traditional Wassail Cup, fruit bowl and nuts, relish tray, rock cornish hen with chestnut stuffing, new potatoes, cranberries, oat cakes and jam, baked apples, and flaming plum pudding. Entertainment will be provided by the King's retinue of Madrigal Singers, court jesters, roving minstrels, brass and recorder quintets and trumpeters.

Tickets are \$6.50 adult and are available at the Kern Information Desk, or reservations may be placed by telephoning 865-1878. Early reservations are advised since this event is an annual sell-out.

HUB Christmas dinner

The HUB Terrace Room will offer its annual Christmas Candlelight Dinner on Thursday and Friday, Dec. 15 and 16, from 4:45 to 7 p.m. The menu features stuffed chicken breasts with walnut dressing, roast tip beef with Yorkshire pudding, golden fried fennel shrimp, pork with cranberry relish, veal paprika on noodles, and grilled chopped steak with mushrooms. For vegetables, diners have a choice of fresh winter or baked potatoes, sweet potato casserole, buttered peas and onions, French cut carrots and corn pudding.

Payroll deduction of local earned income tax

For many years, the University has deducted the local earned income tax for University Park employees residing in most areas of Centre County. These are the borough and township taxes assessed at 1 percent or less of earned income, except for certain large city areas.

The University is now extending this payroll deduction to cover all employees throughout the State, effective Jan. 1, 1978.

Commencing with the first paychecks issued in January, local earned income taxes will be deducted from all paychecks each pay period for transmittal to local tax collectors. The deductions will appear in the "Wage Tax" block of paycheck stubs, and will also be listed on each W-2 form at year-end as part of the total earnings statement.

New W-4 forms have been sent to all departments and Campuses of the University to be filled out completely by all employees who do not now have this tax deducted. The new forms are necessary to insure that the proper taxing districts are designated, and that all exemptions for federal tax withholding are current.

Your area or Campus business office or personnel representative will coordinate this effort to insure successful implementation of this State-wide deduction as scheduled.

Holiday gift certificates for Saturday art classes

Gift certificates for winter term art classes at University Park are now available. By contacting Holly Ping, secretary, at 865-5601, a special holiday gift certificate, complete with the names of the student, donor and art class will be mailed to any specified address in time for holiday giving.

The Division of Art and Music Education is offering 14 courses for children, teenagers and parents this term,

starting Jan. 7 and continuing for seven Saturdays.

Inquiries and registration for each course may be made Monday through Friday from 1 to 5 p.m. by calling Ms. Ping or in Room 270 Chambers Bldg.

Is Penn State a community?

"Penn State as a Community Beyond the Academic" will be the theme of a panel discussion on Thursday, Dec. 8, at 7:30 p.m. in Room 5-209 Henderson Bldg. The panel will feature Dr. Walter E. Freeman, professor and director of the Division of Community Development, and Dr. George R. Hudson, professor of education.

The purpose of the dialogue is to highlight the results of a recent survey on the theme of community. The audience will also have an opportunity for discussion led by the Rev. David C. Rich, State director of United Ministries in Higher Education. The meeting is sponsored by the United Ministry at Penn State and is open to the public. Inquiries may be addressed to 865-7627.

Teaching award deadline extended by Education

The Committee for the 1978 Outstanding Teaching Award in the College of Education has extended the deadline for nominations for the award to Dec. 20. At the same time, the period during which data on the nominees may be collected will be extended through the first four weeks of the spring 1978 term. All the required information from students, advisees and colleagues must reach the committee no later than April 10.

Nomination forms and information may be obtained from the committee at Room 220 Carpenter Bldg., University Park, or by telephoning (814) 865-8303.

Recycle envelopes

Because recycling of interoffice envelopes at the University Park campus can save many dollars, departments and individuals are urged to send excess supplies of used envelopes to Mailing Service, Room 108 Business Services. Every type of envelope which might conceivably be reused should be sent — letter size; No. 10 lined or unlined, manila or white; even those as large as 11- by 15-inches. These envelopes will then be routed to departments which have expressed a need for them. Presently, the expressed need is far greater than the supply.

Special holiday gift sale of "Pennsylvania 1776"

Pennsylvania 1776, the University's Bicentennial book, is now available at the 1975 price of only \$10 to all University employees and students. Anybody desiring a copy may obtain it at the University Press offices, Room 215 Wagner Bldg., Mondays through Fridays from 8 a.m. to 5 p.m.

Faculty exchange information

The University Committee on International Programs of Penn State (UCIP) announces that it will accept proposals for exchange of faculty between this university and institutions in France. Anyone wishing further information about this program should contact Prof. Wirth McCoy, 865-0444, or the UCIP office, 865-9549. The office is open Monday through Friday, from 9 a.m. to noon.

Phi Beta Kappa Sherry Party Dec. 4

Phi Beta Kappa invites all members and their spouses to its annual Founders' Day Sherry Party from 3 to 5 p.m. on Sunday, Dec. 4, in the Fireside Room of the Nittany Lion Inn.

UNICARE concepts explained

Editor's note: The following article, explaining the concept on which the University's health insurance plan is based, was prepared by staff of the Office of Personnel Administration.

Of all the University's fringe benefits, one directly affects more faculty and staff members than any other. Retirement benefits, life insurance, and educational assistance programs provide vital assistance to some, but UNICARE, the group health insurance plan, has an almost universal appeal. Nearly everyone uses it sometime.

Because UNICARE is heavily used and medical care costs are increasing rapidly, the University's expense in providing health insurance coverage has increased substantially in recent years. New maternity benefits, the \$750 surgical schedule, and the new \$5,000 major medical stop-loss provision have all added to the load.

To meet these rising costs and still provide a comprehensive plan of benefits at a reasonable cost to employees, the University tries to provide maximum benefits for serious accidents or illnesses and somewhat smaller benefits for more manageable medical expenses. That is the philosophy behind the UNICARE plan, and its effectiveness is demonstrated in the following hypothetical situations.

Employee A underwent surgery for removal of her appendix. She was in the hospital for five days. In addition, she made several trips to the doctor's office and had a number of prescriptions filled at the drugstore. Her expenses and UNICARE benefits looked like this:

Type of expense	Amount	UNICARE payment	Excess
Hospital confinement	\$1,065.00	\$1,065.00	None
Surgical	325.00	275.00	\$50.00
Office calls	40.00	None	40.00
Prescriptions	52.75	None	52.75
Totals	\$1,482.75	\$1,340.00	\$142.75

The excess expenses (\$142.75) were sufficient to satisfy the major medical deductible (\$100) and produced a major medical benefit of \$34.20 (\$142.75 - \$100.00 X 80 percent). When the \$34.20 was added to the basic plan UNICARE payments, a total of \$1,374.20 was paid on expenses totalling \$1,482.75. Employee A paid only \$108.55.

Employee B had a more serious problem. He had renal failure, the failure of the kidneys to perform properly. Three times a week, in a hospital, he had to undergo a treatment called hemodialysis. He also had to visit his doctor regularly and take medication. His expenses for the year were as follows:

Type of expense	Amount
Outpatient hospital	\$20,750.00
Physicians charges	3,360.00
Prescriptions	180.00
Total	\$24,290.00

All of Employee B's expenses could be included under UNICARE's major medical plan. The major medical plan reimbursed him for 80 percent of the first \$5,000 of out-of-pocket expenses, minus the \$100 major medical deductible. That amounted to \$3,920. In addition, under the stop-loss provision, Employee B was reimbursed for 100 percent of all remaining expenses (\$19,290). His total major medical benefit was \$23,210, which was 95.5 percent of his expense (\$24,290).

In both of these cases, the UNICARE philosophy was realized. Employee A could manage the expenses not covered by UNICARE, and Employee B avoided financial ruin in his catastrophic claim.

But as helpful as UNICARE is, it can't help the faculty or staff member who doesn't understand the plan or take time to learn about its provisions, especially when major medical questions or expenses partially covered by another group policy are involved.

All questions concerning UNICARE benefits can be answered. Personnel representatives and business managers are qualified to answer routine questions and to refer complex ones to the Employee Benefits Division in the Office of Personnel Administration. Employee Benefits, in turn, will refer highly technical questions to the University's insurance carrier to assure correct answers. The best advice is to seek advice. If you don't know, ask somebody. Don't miss out on a benefit that is rightfully yours.

WPSX Highlights

The Jewish immigrant experience is the subject of *Destination America*, Friday, Dec. 2, at 9 p.m.

Comedian Steve Allen hosts a nostalgic tribute to the first 50 years of broadcasting, Saturday, Dec. 3, at 9 p.m. on *The Good Old Days of Radio*. The program features Edgar Bergen and Charlie McCarthy, Fibber McGee (Jim Jordan), Helen O'Connell, and other performers from radio's golden age. Other radio pioneers are remembered through rare films and audiotapes.

A new season of *National Geographic Specials* begins Monday, Dec. 5, at 8 p.m. with "Yukon Passage," an adventure of four men retracing the trail of the Klondike goldseekers.

Nancy Miller talks with Philip Young, research professor of English and author of *Revolutionary Ladies*, on *Talkabout*, Tuesday, Dec. 6, at 7:30 p.m.

The career of Chief Justice John Marshall, whose landmark decisions defined the powers of the judiciary and the federal government in America's early years, is dramatized on *Equal Justice Under Law*. The six-part series begins Wednesday, Dec. 7, at 7:30 p.m. with *Marbury vs. Madison*, a case which established the Supreme Court's responsibility to review the constitutionality of acts of Congress.

Staff Vacancies

All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Dec. 8.

PROGRAMMER, UNIVERSITY LIBRARIES — UNIVERSITY PARK Responsible for analysis, program design, coding, documentation, and other programming tasks required to develop an operation on-line bibliographic data-base. Bachelor's degree or equivalent in computer science or related field, plus one to two years of directly related experience, preferably in bibliographic database design or on-line multi-access computer systems.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC SERVICES — NEW KENSINGTON Responsible for the Associate Director for Academic Affairs for the registration function and procedures for liaison with the Registrar's Office at the University Park Campus and for the coordination of residence education registration. Duties include processing change of major, drop-add, withdrawal and other forms; insuring the faculty and staff obtain all necessary registration materials; coordinating the scheduling of courses, room assignments, class lists and course lists; maintaining student academic records and submitting required reports, recruiting part-time faculty for the evening program; serving as the public relations officer and performing other duties as assigned. Bachelor's degree, plus 1-2 years of experience or master's degree plus 6-12 months' experience.

COOPERATIVE EDUCATION SPECIALIST — CAPITOL CAMPUS Responsible to the Coordinator, Career Planning and Placement, for the development of Cooperative Education positions for Capitol Campus students and for assisting in the overall administration of the program. A bachelor's degree or equivalent, plus over one and up to and including two years of directly related experience in higher education, cooperative education or business and industry is required. At this time, this position is funded only until Aug. 30, 1978.

Penn State Intercom

"A's" made up 28.3% of '77 spring grades

Concern over the number of "A" grades being awarded in both resident instruction and continuing education courses at the University was expressed in a report of the Senate Committee on Undergraduate Instruction presented to the Senate Dec. 6.

"A's" constituted 28.3 percent of the grades given in resident instruction courses and 43 percent of those in continuing education during spring term 1977.

The committee pointed out, however, that these percentages are not readily comparable since the distributions for continuing education contain associate as well as graduate grades.

The report also noted that, "After two consecutive years of a drop in 'grade inflation,' the all-University distribution appears to have stabilized. However, the percentage of 'W's' continues to increase — this year by 35 percent over spring term 1976."

A wide disparity between Colleges in the percentage of "A's" assigned still continues, and the same disparity holds true between Commonwealth Campuses.

Faculty interested in obtaining more detailed information than is contained in the following tables should contact the Chairman of the Committee on Undergraduate Instruction, George W. Franz, assistant professor of history at Delaware County, Network: 335-6772.

All-University Resident Instruction Baccalaureate Courses

Spring	A	B	C	D	F	W	Ps	Fl
1974	31.5	33.3	19.5	5.3	3.2	2.2	3.2	0.2
1975	29.8	33.1	20.4	5.7	3.7	2.3	2.9	0.2
1976	28.0	32.6	20.1	5.8	3.0	4.1	2.5	0.1
1977	28.3	32.2	20.1	5.7	2.7	5.5	2.4	0.1

Resident Instruction, Baccalaureate Courses, by College

	A	B	C	D	F	W	Ps	Fl	Number
Agriculture:	31.9	37.7	17.7	4.0	1.2	2.8	2.8	0.1	5,094
A&A:	36.2	30.6	14.6	2.8	2.3	4.1	5.0	0.2	9,058
Rus. Ad.:	22.9	33.1	24.4	7.3	2.1	5.5	3.0	0.1	10,700
E&MS:	27.1	37.7	20.7	4.7	2.1	3.6	2.3	0.2	4,968
Education:	48.2	31.2	10.0	2.4	1.2	3.2	1.1	0.1	6,739
Engineering:	25.3	33.1	23.5	6.8	2.7	4.8	0.5	0.0	9,746
H,FE&R:	49.3	33.5	8.1	1.2	1.3	3.9	1.7	0.0	14,485
Human Development:	29.7	35.6	18.7	3.3	1.5	3.7	3.0	0.1	9,642
Liberal Arts:	22.6	32.6	22.8	5.9	3.4	5.5	3.4	0.1	43,254
Science:	21.9	28.5	24.0	9.3	3.9	8.6	1.1	0.1	32,305
ROTC:	41.4	38.8	13.9	1.4	0.8	2.6	0.1	0.0	873

Resident Instruction, Baccalaureate Courses, by Campus

	A	B	C	D	F	W	Ps	Fl	Number
Altoona:	32.7	31.3	20.4	5.6	2.6	5.4	0.9	0.0	4,905
Allentown:	23.2	35.9	26.2	5.2	1.8	5.3	0.2	0.0	921
Behrend:	23.7	33.4	25.0	6.7	2.8	7.1	0.7	0.0	4,589
Berks:	23.9	32.0	20.8	5.4	3.0	5.8	0.0	0.0	2,136
Beaver:	30.1	29.7	20.6	4.9	3.8	7.5	0.4	0.0	3,156
Capital:	28.6	34.5	14.9	3.5	2.3	4.9	8.0	0.1	1,358
Delaware County:	20.8	32.0	24.5	8.2	5.2	6.4	0.8	0.0	3,465
DuBois:	24.1	33.3	21.8	7.3	3.9	4.3	0.6	0.0	935
Fayette:	31.0	31.9	20.8	7.5	3.3	4.2	0.2	0.0	1,769
Hazleton:	27.6	29.6	22.0	6.7	3.9	6.2	0.5	0.0	2,423
Mont Alto:	30.6	33.4	21.4	4.7	2.6	6.8	0.1	0.0	1,951
McKeesport:	21.5	29.0	24.4	8.1	5.2	5.7	0.0	0.0	3,552
New Kensington:	26.2	30.4	23.0	7.6	5.4	4.1	0.1	0.0	2,623
Ogontz:	23.6	30.5	22.1	6.9	3.9	7.3	0.4	0.0	5,555
Schuylkill:	34.1	28.9	18.4	7.4	3.8	5.5	0.1	0.0	1,628
Worthington Scranton:	23.4	30.1	24.0	7.5	3.4	8.2	0.2	0.0	2,338
Shenango Valley:	31.1	31.3	20.6	6.8	3.6	5.1	0.0	0.0	1,794
Wilkes-Barre:	29.2	30.7	21.7	7.1	4.5	5.0	0.1	0.0	1,058
York:	18.7	33.7	24.1	8.0	4.8	9.5	0.9	0.0	1,870

Commonwealth Campuses Combined

	25.9	31.0	21.9	6.6	3.7	6.2	0.6	0.0	47,784
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University Park

	29.5	32.9	19.2	5.3	2.3	5.1	3.3	0.1	98,213
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News in Brief

206 Scholars enroll

More than 200 high school students who participated in the Penn State Scholars Program in spring 1976 have enrolled at 16 Penn State campuses this year.

Initiated in 1975, the Scholars program is designed to recognize and encourage excellent academic scholarship and achievement among Pennsylvania high school students. The 644 students who attended the program were nominated by their high school principals as the top academic students in the junior class of their respective schools and were invited to visit University Park for a weekend with their parents.

During their visit, students had an opportunity to sample college life and meet with Penn State faculty members and students to discuss academic programs and career opportunities at Penn State.

All participants receive an early offer of admission to the University. Of the 206 students that enrolled during summer and fall 1977, 42 chose to attend a Commonwealth Campus or Behrend College. The others enrolled at University Park.

Holiday energy conservation urged

The Executive Energy Conservation Committee wishes to remind faculty and staff of the standing policy prohibiting the use of electric holiday decorations in University buildings.

Also the committee has again instructed the Office of Physical Plant to lower thermostat settings in various areas which will be vacated by students during the holiday break. These areas, in selected academic buildings, include classrooms, lobbies, entries, corridors, and stairwells.

Areas occupied by faculty and staff, such as offices and research labs, will be the direct responsibility of the occupants, and their cooperation is requested in adjusting thermostats during holiday and vacation periods. In special program areas, such as Eisenhower Auditorium, the Natatorium, Keller Conference Center, and Special Education, it will be the responsibility of the administrative officers to insure that the temperature is reduced.

The lowered setting is to be 55°F; all occupants are requested to keep office and lab doors closed so as to preserve the approved comfort level of 68°F in occupied areas.

This cutback program will be initiated at 5 p.m. on Tuesday, Dec. 20, and will continue to Jan. 2.

Any questions should be addressed to J. C. Dean, manager, Energy Conservation Program, 863-0538.

United Way campaign still \$10,000 short

The United Way campaign is still short of its \$90,000 goal, according to campaign chairman James Beattie, dean of the College of Agriculture.

"By count of the United Way office," Dean Beattie reports, "some 320 persons who gave last year have not contributed this year. If all of these individuals were to pledge the same amount as last year, the total would be \$14,336, allowing the University to surpass its goal. To date, slightly less than \$80,000 has been raised."

Persons wishing to contribute to the campaign either directly or through payroll deductions should contact their dean or administrative office for the name of their campaign contact. They may also call the United Way office at 238-8362.

Moser to discuss African literature

"The Lusophone (Portuguese Language) Literature of Africa since Independence" will be discussed by Dr. Gerald M. Moser Wednesday, Dec. 14, at the African Studies Forum.

Dr. Moser is professor of Romance languages at Penn State. His talk will begin at 7:30 p.m. in Room 101 of the Kern Graduate Bldg.

"Age of Uncertainty" available from Audio Visual Services

Audio Visual Services has recently acquired John Kenneth Galbraith's controversial film series on the history of economic thought. The series, which was produced by the BBC and aired over PBS, consists of 12 60-minute programs on the following topics:

The Prophets and Promise of Classical Capitalism, The Manners and Morals of High Capitalism, Karl Marx — The Massive Dissent, The Colonial Idea, Lenin and the Great Unruling, The Rise and Fall of Money, The Mandarin Revolution, The Fatal Competition, The Big Corporation, Land and the People, The Metropolis, and Democracy, Leadership and Commitment.

Faculty members interested in scheduling the films should contact Mrs. Alwine at 865-6314.

New phone numbers for New Kensington

A new telephone switchboard system has been installed at the New Kensington Campus. The numbers for the Campus are (412) 339-7561, (412) 362-1012, 1013; network numbers 565-7520, 7521, 7527, 7528.

"Steady state" enrollment projection of 52,200 for 1980 called very realistic figure by planning director

With enrollment at the University having held fairly stable for the past three years, Penn State has now entered the "steady state" period predicted for higher education.

This was indicated in a report on issues impacting on long range enrollment trends and enrollment planning recently

prepared for the Committee on Educational Policy of the Board of Trustees.

The revised Academic Policy Plan projections for 1980, indicating 52,200 resident instruction students, appear very realistic, explained Chalmers G. Norris, director of planning and budget office of

the University, in spite of a drop of more than 1,100 students from the 53,363 enrolled in 1976.

This 1976 peak was the result of greater enrollment of part-time and non-degree students than was projected and also a temporary change in rates of acceptance on admissions offers and retention rates,

Mr. Norris said. Both apparently reflected unforseen socioeconomic conditions of 1974 and 1975, he noted, adding:

"Present indications are that those factors now have returned to the earlier, longer-range trends."

He said that substantial efforts will be

(Continued on page 4)

Penn Staters

Dr. Irwin Feller, professor of economics, has been appointed director of the Institute for Research on Human Resources.

Since 1969, Dr. Feller has been program director for the Institute's Center for the Study of Science Policy. He succeeds Dr. Jacob Kaufman, who has left the University.

A member of the faculty since 1963, Dr. Feller is a magna cum laude graduate of the City University of New York and holds a Ph.D. in economics from the University of Minnesota. He is the author or co-author of many professional papers and monographs and has contributed chapters to several books. He has served on advisory committees and as a consultant to the National Science Foundation, the National Governors Association, the National Conference of State Legislatures and the National Association of State Budget Officers.

Dr. Peter Gould, professor of geography, has been elected to the board of directors of the Social Science Research Council. A nonprofit organization, the Council is one of the largest funding agencies for research in the human and behavioral sciences. Its directors are drawn from the whole spectrum of the social sciences.

Dr. William R. Schmalstieg, professor and head of the Department of Slavic Languages, has been awarded a Fellowship for Independent Study and Research by the National Endowment for the Humanities. The award will enable him to complete a book on the phonology and morphology of the Indo-European languages.

Dr. Warren C. Robinson has been appointed to the National Academy of Sciences' Panel on Population, Health and Nutrition. The panel is a newly-created group to help in a NAS study on Science and Technology for Development for the United Nations. Dr. Robinson is director of the Population Issues Research Office and professor of economics.

Eugene N. Borza, associate professor of history, recently served as a Jacobus Lecturer in History at the University of Virginia. The Jacobus Fund enables the history department at Virginia to invite special lecturers to the Charlottesville campus to address undergraduates on historical problems. Dr. Borza lectured on the Classical tradition in the West and on Athenian democracy.

Dr. John E. Baylor, professor of agronomy extension, has been elected a Fellow of the American Society of Agronomy.

The Rev. Charles Coleman, program director for the Office of Religious Affairs, has been elected vice president of the Association for the Coordination of American Religious Affairs. He will plan the association's next annual meeting in Memphis, Tenn., and will co-edit the association's quarterly newsletter, Dialogue on Campus.

Dr. Winfred M. Phillips, associate professor of aerospace engineering, was invited lecturer for the Houston Area Fluid Mechanics Seminar. The lecture is sponsored by a consortium of universities in the Houston, Texas, area. Dr. Phillips spoke on blood rheology and the role of erythrocyte deformability in hemodynamics.

Dr. Robert F. Schmalz, professor of geology, recently gave two lectures at Syracuse University at the invitation of the department of geology. Titles of his talks were "Syngenetic Sulfide Deposits" and "Aesthetics and Natural Selection."



A 25-year service award was added recently to the honors paid this year to Dr. Philip S. Skell, Evan Pugh professor of chemistry.

One of the University's most distinguished faculty members, he was named a member of the National Academy of Science in April for his continuing achievements in basic research. In May, the College of Science Student Council chose him for the 1977 C. I. Noll Outstanding Teacher Award.

Internationally known for his work in carbene, carbonium ion, free radical, and single atom chemistry, Dr. Skell has been characterized by one of his colleagues at the National Academy as "a true original (who) strikes out into new virgin areas and opens these up for further exploration by the chemical world." His research on reactions of metal atoms has led to a whole new basic chemistry of free atoms.

The author of nearly 200 research papers, he has taught undergraduates at all levels and also trained more than 50 doctoral degree candidates and over 30 postdoctoral students.

He earned his own doctorate in organic chemistry at Duke University and later held postdoctoral positions at the University of Illinois and the University of Chicago. From 1947 to 1952 he was a faculty member at the University of Portland. He came to Penn State as an assistant professor in 1952.

Vilma R. Hunt, associate professor of environmental health, has been appointed executive secretary and principal staff officer of the new Toxic Substances Subcommittee of the Environmental Protection Agency's Science Advisory Board.

Dr. W. Channing Nicholas, associate professor of applied physiology, recently presented an invited paper and participated as a workshop member at the Second Purdue Cardiac Defibrillation Conference. The paper was on "Performance Characteristics of Three Commercial Defibrillators in Trans thoracic Ventricular Defibrillation of Sheep, Dogs and Calves" and the workshop was on electrical requirements for defibrillation.

Dr. J. Cordell Hatch, coordinator of Extension radio-TV-studio visual services and professor of agricultural communications, has been elected national vice president of Epsilon Sigma Phi, an 8,000-member honorary fraternity of Cooperative Extension Service workers. During his two-year term, Dr. Hatch will chair the organization's program and activities committee.

Dr. H. L. Barnes, professor of geochemistry and director of the Ore Deposits Research Section, recently gave an invited lecture at a Stanford University workshop on "Flow-through Rock-Solution Reactions."

Correction

The maximum Social Security tax an employee will pay in 1978 was incorrectly stated at \$1,150.50 in last week's issue. The correct amount for the maximum deduction is \$1,070.85.

Gerontology Center offering grants

A second Developmental Grant Program to improve gerontological research and instructional capacity of University faculty members has been announced by the Gerontology Center in the College of Human Development.

According to Dr. Joseph H. Britton, center chairman, grants of up to \$2,500 will be made to faculty members throughout the University to help them develop projects in aging.

Under the program, faculty and administrators of academic units are invited to propose activities which produce curricular designs, instructional materials, and research-related products for professional and career education, continuing education, and research in new areas of gerontology.

Funds for the program are being made available under a second-year operational grant to the Gerontology Center by the Administration on Aging of the U.S. Department of Health, Education and Welfare.

Research proposals, including "pilot" proposals, will be judged through peer review on criteria that include prospects that the work will contribute to the University's permanent capacity in gerontology; possibility of subsequent funding; the soundness of the project; its contribution to a "new" area in gerontology at Penn State; the possibility for rapid development and completion; and the possibility for presentation of project description, results or application during the center's 1978 Summer Series on Aging.

The Developmental Grant Program is being directed by Dr. Robert B. Mitchell, associate professor of biology and associate chairman of the Gerontology Center.

Further details on the grant program may be obtained by contacting Dr. Mitchell, Dr. Britton or Jean Wald, center staff member.

From the Press

Ts'ai Yuan-p'ei: Educator of Modern China, by William J. Duiker. 124 pages. \$3.95 (paperback).

Dr. Duiker, an associate professor of history at Penn State, examines the life of Chinese philosopher and educator Ts'ai Yuan-p'ei, particularly as it illuminates the synthesis of traditional Confucian thought and later radical reform in China. In its struggle to meet the challenge of the apparently superior culture of the Western world, China was forced to abandon its traditional sense of cultural identity and to construct another in its place. Ts'ai Yuan-p'ei, the most prominent educator in the period of the early Chinese republic, reflected these conflicts in his own life and thought. Born in 1868, he was educated in Confucian schools and received the highest degree possible under the old system. Later he lost his faith in the old values, became a revolutionary, and studied in Europe. On his return in 1912, he attempted, as first Minister of Education in the new Chinese republic and then as Chancellor of China's most prestigious university, to achieve a synthesis of the best values of both China and the West in a new philosophy for modern China — combining the humanistic values of the Confucian system with a vision of life fashioned by the scientific advances and democratic values of the West.

Ultimately Ts'ai Yuan-p'ei failed, for of the two major strains in the Chinese cultural revolution — the drive for national revival and the humanistic urge to build a democratic society — the former proved to be the more powerful.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, PA 16802-7517. Letters should be signed although names will be withheld on request.

Q. What determines whether or not a campus policeman is on duty during the morning and evening traffic rush hour at the corner of Shortidge and Pollock roads? Some days no one at all is there and the traffic jams are terrible. NAME WITHHELD

A. A Community Service Officer is assigned to this intersection each morning at 7:40 a.m. and each evening at 4:40 p.m., Monday through Friday. We attempt, within our resources, to provide this service routinely. However, during fall quarter, there were two or three untimely emergencies which were given a higher priority and our commitment to routine traffic control could not be met. These occurred primarily during the evening traffic hour.

Between quarters, when morning traffic is minimal, the officer may not take a position within the intersection as he would not facilitate the movement of vehicles or pedestrians.

DAVID E. STORMER,
Director, University Safety

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 805-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Dec. 13. DD NDT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT PLANNING ANALYST, OFFICE OF BUDGET & PLANNING — University Park. Responsible to Division Head or other designated supervisor for assistance in University planning and analysis functions and for preparing special reports and studies as assigned. A master's degree or equivalent in business administration, higher education, economics, or public administration, plus 6 to 12 months of directly related experience in planning and analysis activities. Some knowledge of, and exposure to, university administration is desirable. Position available Jan. 1, 1978 — June 30, 1978.

Funding Sources

For further information, call 865-1372

(297-1) Studies related to an agenda for the August 1979 UN Conference on Science and Technology for Development (UNCTSD) are being supported by NSF's Division of International Programs. The program will consist of preparation of study papers, a small workshop to discuss paper(s), and final manuscript suitable for publishing. NSF expects to make 10 to 20 awards. The subject area includes technology transfer, mechanisms for exchange, and utilization of the existing UN system. Problem areas are enumerated. Proposal due date is Dec. 30. (Ref. NSF 77-77)

(297-3) Applications for administration, training, or research grants under the DE Cooperative Educational Program have a Jan. 16 closing date. (Ref. DE guidelines) (CFDA 13.510)

Department of Public Information and Relations
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University Park Calendar

Dec. 8 — 18

Special Events

Thursday, Dec. 8
United Ministry, panel discussion of "Penn State as a Community Beyond the Academic," with Walter E. Freeman, Division of Community Development, and George R. Hudson, Division of Counselor Education and Educational Psychology, 7:30 p.m., Room 5-205 Henderson.

Friday, Dec. 9
Waskevich Gallery print sale, 9 a.m.-5 p.m., HUB gallery.
Sports: wrestling, vs. Buffalo, 4 p.m. (EWL meet).
Raymond Brown and the Penn State Singers, wassail bowl, holiday banquet, 6:30 p.m., Faculty Club.
france-cinema, *Carne, Bizarre, Bizarre*, 7 and 9 p.m., Room 112 Kern.
Raymond Page, viola, 8:30 p.m., Music Bldg. recital hall.

Saturday, Dec. 10
Sports: coed rifle, vs. Youngstown, 10 a.m.; women's basketball, vs. Immaculata, 1 p.m.; men's fencing, vs. Montclair State, 1 p.m.; wrestling, vs. N.C. State, 4 p.m., men's basketball, vs. N.C. State, 7:30 p.m.
OTIS Casino Night, 7:30 p.m., HUB ballroom.

Sunday, Dec. 11
University Chapel service, Dr. Joseph E. O'Donnell, Jr., Andover Newton Theological School, 11 a.m., Eisenhower Chapel.
Sports: men's and women's bowling, vs. Montgomery, 1 p.m.
Shaver's Creek Nature Center, Natural Materials Crafts Workshop, registration necessary, 8:00-10:51, 2 p.m., Stone Valley.
Messiah Sing-In, 3:30 p.m., Eisenhower Auditorium.
Brent Wissick, 'cello, 3:30 p.m., Music Bldg. recital hall.

Interlana Folk Dance Club, introductory folk dancing workshop for faculty and families, 7:30 p.m., Room 133 White.

Monday, Dec. 12
Add course.
Intramural sports: men's graduate student and faculty-staff racquetball (round robin) event open. Entry close, noon, Dec. 15.
Eco-Action film, "Living the Good Life," 10 a.m.-3 p.m., HUB assembly hall.
Focus on Sweden folk dancing, noon, HUB gallery.
Lucia Celebration, 7:30 p.m., HUB reading room.

Shakespeare film, *Henry V*, 6:30 p.m., Room 101 Chambers.
france-cinema, *Bizarre, Bizarre*, 7 and 9 p.m., Room 112 Kern.
Raymond Brown and the Penn State Singers, family holiday banquet, 7 p.m., Faculty Club.
Penn State Percussion Ensemble, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Dec. 13
Eco-Action film, "Living the Good Life," 10 a.m.-3 p.m., HUB assembly hall.
Hetzel Union Board, Train the Tree workshop, 11 a.m.-2 p.m., HUB north lounge.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club.
Olga Ragusa, Columbia University, on "Trials and Tribulations of an Editor."

Shakespeare film, *Henry V*, 6:30 p.m., Room 101 Chambers.
Sports: wrestling, vs. Florida, 7:30 p.m.
Artists Series Film Festival, Keaton, *One Week; The Boat; Steamboat Bill*, Jr., 8 p.m., Eisenhower Auditorium.
Department of Spanish, Italian and Portuguese lecture, Olga Ragusa on "Ghosts, Spirits and Characters in Search of Pirandello," 8 p.m., Room 112 Kern.
English, Eric R. Birdsall, Shenango Valley, on "Tracking Down Wordsworth," 8 p.m., Room 101 Kern.

Wednesday, Dec. 14
Last date for March graduates to activate diploma cards in Registrar's Office and pay the fees at Bursar's Office.
Hetzel Union Board Christmas craft demonstration, 11 a.m.-2 p.m., HUB main lounge.
African Studies Forum, Gerald Moser, PSU, on "The Lusophone (Portuguese Language) Literature of Africa Since Independence," 7:30 p.m., Room 101 Kern.



Commonspace Theatre, *Lenny*, 7:30 and 9:30 p.m., Room 112 Kern.
Sports: wrestling, vs. Cal. Poly., 7:30 p.m.
Composer's Concert, 8:30 p.m., Music Bldg. recital hall.
New Kensington House film, *A Night at the Opera*, 7:30 and 9:30 p.m., FUB rec. room.

Thursday, Dec. 15
Christmas Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.
Hetzel Union Board Holiday Fireside Chat, 7:30 p.m., HUB reading room.
Japanese Language and Literature films, 7:30 p.m., HUB assembly hall.
The World of Jomon, "Culinary Art of Japan," Noh, Medieval Lyric Drama, and "Kabuki, Classic Theatre."
New Kensington House film, *A Night at the Opera*, 7:30 and 9:30 p.m., FUB rec. room.

Friday, Dec. 16
Christmas Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.
Hetzel Union Board film, *Oliver*, 7:30 p.m., HUB assembly hall.
Sports: gymnastics, vs. Michigan State, 8 p.m.
David Vogel, viola, 8:30 p.m., Music Bldg. recital hall.

Saturday, Dec. 17
Hetzel Union Board film, *Oliver*, 1 and 7:30 p.m., HUB assembly hall.
Sports: women's swimming, vs. Rutgers, 1:30 p.m.; men's swimming, vs. Rutgers, 4 p.m.
Graduate Commons Madgaln Dinner, 6:30 p.m., Room 102 Kern.
france-cinema, *Demy, Donkey Skin*, 7 and 9 p.m., Room 112 Kern.
Faculty Club, Winter Holiday Ball, 9 p.m., Faculty Club.

Sunday, Dec. 18
University Chapel service Christmas Concert, All Faith Choir, 11 a.m., Music Bldg. recital hall.
Hetzel Union Board film, *Oliver*, 1 and 7:30 p.m., HUB assembly hall.
Shaver's Creek Nature Center, Birdhouse and Feeder Building Workshop, registration necessary, 8:00-10:51, 2 p.m., Stone Valley.
Penn State Glee Club, 3 p.m., Eisenhower Auditorium.
Graduate Commons Madgaln Dinner, 6:30 p.m., Room 102 Kern.
france-cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Dec. 8
Computation Center, "JCL," (5 of 5), introductory programming background suggested, 7:30 p.m., Room 110 Osmond.

Monday, Dec. 12
Biochemistry and Biophysics, Carlton F. Hazelwood, Baylor University, on "Structure of H₂O in Cells," 3:55 p.m., Room 101 Alt-house.

Computation Center, "RJE," (1 of 5), suggested for users of research accounts, 7:30 p.m., Room 108 Forum.

Tuesday, Dec. 13
Food Science, Jim-Wen Liu on "Effects of Processing and Storage on Peanut Flavor," 11:10 a.m., Room 211 Borland.

Computer Research Applications, Gerald G. Johnson on image processing, 1 p.m., Room 325 Whitmore.
Water Pollution Control, Charles A. Cole, engineering, Capitol Campus, on "The Potential for Water Conservation," 2:20 p.m., Room 128 Sackett.
Plant Pathology, R.T. Sherwood on "A Physiologist's View of Disease Resistance," 3:55 p.m., Room 213 Buckhout.

Wednesday, Dec. 14
Inorganic Chemistry, Mark G. Bradley on "Photochemistry of Transition Metal Hydride Complexes," 8 p.m., Room 333 Whitmore.

Thursday, Dec. 15
Surface Science, Michael Lubell, Yale University, on "Review of Techniques for Production and Detection of Polarized Electron Beams," 11 a.m., Room 339 Davey.
Chemistry, Christopher T. Walsh, MIT, on "Suicide Inhibitors — A Novel Approach to Drug Design," 12:45 p.m., Room 333 Whitmore.
Physics, Michael Lubell, Yale University, on "The World of Polarized Electrons," 3:50 p.m., Room 117 Osmond.
Computation Center, "RJE," (2 of 5), suggested for users of research accounts, 7:30 p.m., Room 108 Forum.

Friday, Dec. 16
Surface Science, H. Froitzheim, Bell Laboratories, on "High Resolution Spectroscopy of Energy Loss at Surfaces," 3 p.m., Room 339 Davey.

Exhibits

Chambers Gallery: David Van Dommelen and Karen Roth, fibers.
HUB Gallery: Jim Webster, hand pottery; Denise Gossie, candles; Model Railroad Club exhibit; Ukrainian Club exhibit.
Kern Commons Gallery: International Christmas artifacts; Lim Byung Jin, oriental paintings.

Museum of Art: Lanny Sommesse, poster art; Kenneth Beittel, pottery; Recent Works; John Koch, paintings; Models and Moments.

Zoller Gallery: Student Holiday Exhibition and Sale, Dec. 13-18.

Arts Roundup

Page, Smith to present viola, piano sonatas

Raymond Page, violist, will be joined by Steven Smith, pianist, for a program of sonatas for viola and piano, to be presented at 8:30 p.m. Friday, Dec. 9, in the Music Bldg. recital hall. Both Mr. Page and Mr. Smith are members of the music department faculty.

Highlighting the program will be the performance of a viola sonata by Dimitri Shostakovich that is seldom heard in this country. Mr. Page explains that the composer completed the piece only days before his death in 1975 and that it is the first major work for viola written in many years.

He adds that American audiences have few opportunities to hear the piece because it has not yet been published in this country. Mr. Page acquired the score in Switzerland when he was performing there this summer as a member of the University's chamber orchestra, Musica da Camera, during its first European tour.

The Shostakovich work will be followed by Six Studies in English Folk Songs by the English composer Ralph Vaughan Williams, a sonata by the Swiss composer Carl Holler and the F Minor Sonata of Johannes Brahms.

"Messiah Sing-in" Dec. 11

Faculty and staff are invited to join in the third annual "Messiah Sing-in" to be held at 3 p.m. on Sunday, Dec. 11, in Eisenhower Auditorium.

Sponsored by the Office of Religious Affairs and the State College Symphony Orchestra, the informal concert is open to anyone interested in singing the Christmas portion and the "Halleluia Chorus" of Handel's oratorio.

The conductor for the event will be Raymond Brown, director of the University Chorus. The orchestra is being organized under the auspices of the State College Symphony Orchestra. Those who would like to attend the event just to listen are also welcome. Singers should bring musical scores if they have them. Scores will also be available at the door for purchase at cost.

"Three Sisters" being shown

The Artists Series Film Festival will continue with a film from the "Eight from American Film Theatre" when Anton Chekhov's *Three Sisters* is screened at 8 p.m. on Wednesday, Dec. 7, in Eisenhower Auditorium.

The film revolves about the three daughters of a deceased Russian general, who are stranded in a provincial garrison town and long for the time when they can return to the glittering Moscow of their youth. This production features a brilliant cast from the National Theatre Company of England, including Laurence Olivier, Alan Bates and Joan Plowright. Tickets will go on sale at the door beginning at 7:30 p.m. the evening of the showing. Prices for non-students are \$1.50.

Percussion concert

The Penn State Percussion Ensemble will present its first concert of the season at 8:30 p.m. on Monday, Dec. 12, in the Music Bldg. recital hall.

The group, which is under the direction of music graduate student Don Schade, is made up of 14 percussion students.

Among selections to be performed are Antiphon for Double Percussion Choir by Michael Combs, Three Brothers by Michael Colgrass, and The Devil's Herald by Richard Peaslee.

New regulations issued by State Employees' Retirement System

Richard L. Witmer, Secretary of the State Employees' Retirement System (SERS), has issued the following information regarding some recently changed administrative requirements and important tax information connected with SERS membership.

Proof of age required at retirement

"Age" is one of the most important factors used in determining both eligibility for retirement benefits and the amount of those benefits. Therefore, beginning Jan. 1, 1978, all retirement applications must be accompanied by a satisfactory proof of age document. A certified copy of either a birth certificate or baptismal certificate will be acceptable.

If neither a birth certificate nor a baptismal certificate is available, certified copies of any two of the following may be substituted:

- Physician's or Midwife's Record of Birth
- Selective Service Record
- Armed Forces Discharge
- Passport
- School Record
- Marriage Record
- Bible or other Family Record
- Life Insurance Policy
- Naturalization Record
- Alien Registration Record
- Census Record (taken as close to age 5 as possible)

(If you cannot submit originals of the documents required, then a statement from a Notary Public attesting that he or she has seen the originals will be acceptable.)

Satisfactory proof of age is required from the applicant under all forms of retirement. In addition, in the case of a joint and Survivor annuity (Option 2 or 3), similar proof must be submitted for the designated survivor (beneficiary). This is necessary because the survivor's age is used in determining the amount of your benefits under these options.

Finally, in the event of your death, if your beneficiary is eligible for and elects an "annuity" type of payment, proof of age will be required from the beneficiary.

As noted above, this policy becomes effective Jan. 1, 1978. Advance notice is being given to allow sufficient time for those who plan to retire in the near future to obtain the required documents. Certified copies of birth certificates can be obtained from the Department of Health, Division of Vital Statistics, P.O. Box 1528, New Castle, PA 16130. If you were born in another state, contact the Division of Vital Statistics in the state or county of your birth.

Social security numbers required on beneficiary forms

Earlier this year the SERS revised the Nomination of Beneficiary form (OA-402) used by all members. One of the requirements of the new form which seems to be causing some difficulty is that the Social Security number of any named beneficiary must be listed. This often becomes a problem when you may not know your beneficiary's number or, more particularly, when children are named as beneficiaries.

Federal tax regulations require that a Social Security number must be provided before any payments can be made from the SERS. You should, therefore, provide your beneficiaries' numbers when naming them on the form. Social Security account numbers can be obtained for anyone, including children, by applying at a local Social Security office. Providing Social Security numbers on the beneficiary form will avoid delays in payment in the event of your death.

Taxability of payments from SERS

If you leave employment before becoming eligible for retirement, you may withdraw your contributions plus accumulated interest. Since you already pay Federal Income Tax on your contributions while you are working, only the interest is taxable when you withdraw your money. Because Federal Income Tax on your interest may be due when you receive the payment, you are urged to contact the Internal Revenue Service (IRS) when you receive the money to determine your tax liability. It may be necessary to file an estimated tax return using IRS form 1040ES. IRS will help you in completing this form.

Also, if, when you retire, you elect to receive a lump sum payment under Option 4, the contributions which you withdraw are tax exempt. However, any interest that you elect to receive will be fully taxable for Federal Income Tax purposes. Failure to pay any income tax due at the time you receive payment under Option 4 could result in penalties assessed by IRS. Again, contact the IRS for assistance in determining the taxes you may owe. The Retirement System is unable to provide this information.

The retirement law specifically excludes payments received for the SERS from any Pennsylvania state or local taxes.

New annuity tables

The retirement law requires that the Actuary examine the mortality, service, and compensation experience of all the members of the SERS every five years. The annuity tables, option factors, early retirement factors, etc. used by the SERS are developed from these examinations and are subject to change whenever the experience of the system changes.

Based on a recently completed examination, the Board has adopted new tables and factors to take effect Jan. 1, 1978. Therefore, if you plan on retiring after that date and have received an estimate of your retirement benefits, the amounts are subject to change. You should contact your Retirement Counselor before you actually retire so you can get an updated estimate.

WPSX Highlights

Julie Harris re-creates her Tony Award-winning role as Mary Todd Lincoln Saturday, Dec. 10, at 3 p.m. when **Hollywood Television Theatre** presents *The Last of Mrs. Lincoln*. Playwright James Pridemore has focused on the difficult years after Abraham Lincoln's assassination to reveal the complex character of Lincoln's wife.

Monday, Dec. 12, at 9:30 p.m., **Visions** presents *A Secret Place*, an original 90-minute teleplay about a 12-year-old boy who discovers the Jewish religion and

begins to study it in earnest. The boy's devotion is viewed with surprise and dismay by his liberal, nonreligious parents.

Tax reform in Pennsylvania is the subject for **Talkabout** Tuesday, Dec. 13, at 7:30 p.m. Scheduled to appear are Craig Lewis, chairman of the Senate's local government committee; State College Municipal Council member Ingrid Holtzman; and J. Doyle Corman, State Senator and former Centre County Commissioner.

Two Swedish documentarians take a look at growing old in America in **Those Golden Years**, to be seen Tuesday, Dec.

Appointments

William A. Bauer as instructor of wildlife technology at DuBois. B.S., U. of Wisconsin-Madison; M.S., Michigan Technological U.

Donald J. Caputo as computer science instructor at Beaver. B.S., B.A., Geneva College; M.E., U. of Pittsburgh. Formerly instructor, Lawrence County Vo/Tech School and Beaver County Community College.

David E. Cunningham as assistant professor of radiology at Hershey. B.S., St. Bonaventure U.; M.S., Ph.D., U. of Delaware. Formerly assistant professor of physics, Chicago State U.; high school teacher, Wilmington, Del.

Richard D. Cupelli as instructor in business administration at Fayette. B.S., West Virginia U.; M.B.A., Marshall U. Formerly instructor, Marshall U.

James W. Dunn as assistant professor of agricultural economics at University Park. B.S., M.S., South Dakota State U.; Ph.D., Oklahoma State U.

S. Christopher Ellis as assistant professor of anesthesiology at Hershey. L.R.C.P., M.R.C.S., M.B., B.S., Medical College of St. Bartholomew's Hospital, London. Formerly Locum Consultant in Anesthesia at Northern Regional Health Authority, England, and Grafton Private Clinic, N.S.W., Australia; anesthesiologist at Dunedin Hospital, New Zealand, Barones Erlanger Hospital, Chattanooga, Tennessee, and Mt. Sinai Hospital, New York; house physician, Delaware State Health Dept.

William G. Engelbert as assistant professor of accounting and Q.B.A. at Altoona. B.A., Thiel College; M.B.A., U. of Pittsburgh; C.P.A. Formerly an accountant with Price Waterhouse and Company.

Steven G. Greier as assistant professor of history at Behrend College. B.A., St. Olaf College; M.A., Ph.D., Duke U. Formerly part-time instructor, Duke U.

Mary A. Hamilton as instructor in journalism at University Park. B.A., St. Bonaventure U. Formerly editor, Magazine Management Co.; editor, Sterling Group, Inc.; staff writer, Guardian; reporter, The Gazette and Daily, York, Pa.

Judith I. Hornblum as assistant professor of human development in the Division of Individual and Family Studies at Ogontz. B.A., M.A., Temple U. Formerly part-time instructor, Temple U.

Lee E. Lanyon as assistant professor of agronomy at University Park. B.S., Iowa State U.; M.S., Ph.D., Ohio State U. Formerly research associate, Ohio State U. and Ohio Agricultural Research and Development Ctr.; soil scientist, Soil Conservation Service.

Angela Lewis as Undergraduate Studies Adviser/Consultant, Division of Undergraduate Studies, at Delaware County. Dip. di Abil. Magistrate, Mag. di Letters, U. of Florence; Dip. de Langue Francaise and English, Alliance Francaise and British Institute (Milan Campus). B.A., Sarah Lawrence College; M.A.,

13, at 9 p.m. Focusing on America's working class poor, the two-hour special visits older Americans, many of whom were immigrants.

Great Performances begins a new season of **Dance in America** Wednesday, Dec. 14, at 9 p.m. with the first of two programs featuring choreographer George Balanchine and the New York City Ballet. The rare television appearances by Balanchine are introduced by Edward Villella and include performances of Balanchine's "Jewels," as well as "Tzigane," "Four Temperaments," and the "Stravinsky Violin Concerto."

UC-Berkeley. Formerly instructor, Stanford U.; lecturer, academic adviser and assistant dean, College of Letters and Science, UC-Berkeley.

Daniel A. Montgomery as instructor of landscape architecture at University Park. B.S., U. of Cincinnati; M.R.P.L., U. of Michigan. Formerly architect-director, City of Ann Arbor; adjunct assistant professor, U. of Michigan.

Leila V. Moore as assistant professor of counselor education at University Park. B.S., Carnegie Mellon U.; M.A., Syracuse U.; Ed.D., State U. of New York at Albany. Formerly assistant professor, State U. of New York at Albany.

Jan M. Mutmansky as associate professor of mining engineering at Fayette. B.S., M.S., Ph.D., Penn State U. Formerly associate professor, West Virginia U.; associate professor, U. of Utah.

John S. Nichols as assistant professor of journalism at University Park. B.S., M.A., doctoral candidate, U. of Minnesota. Formerly assistant to editor, Mayo Clinic; reporter, Rochester Post-Bulletin.

L. Allen Phelps as assistant professor of vocational education at University Park. B.S., M.A., Central Michigan U.; Ph.D., U. of Illinois. Formerly post-doctoral intern, U. of Kansas; assistant professor, U. of Illinois.

Albert J. Reinschmidt as assistant professor of railway engineering. B.S., M.S., Ph.D. candidate, U. of Illinois. Formerly lecturer, U. of Illinois at Urbana-Champaign.

James J. Richter as assistant professor of anesthesiology at Hershey. A.B., Franklin and Marshall College; M.S., Ph.D., Wake Forest U.; M.D., U. of Connecticut School of Medicine. Formerly assistant professor, U. of Wisconsin Center for the Health Sciences.

Arless A. Ridgway as research assistant, Intercollegiate Programs at University Park. B.S., Penn State U.; M.B.A. candidate, Ursinus College.

Charles P. Romaine as assistant professor of plant pathology at University Park. A.A.S., Farmingdale Agr. & Tech. College; B.S., M.S., Ph.D., Cornell U.

W. Murray Small as assistant professor of metallurgy at Shenango Valley. B.A.Sc., U. of Ottawa; M.S.E., Ph.D., U. of Michigan.

"Steady state"

(Continued from page 1)

required to achieve the projected 1980 distribution of enrollments among the Campus segments. These totals are estimated at 15,350 for the Commonwealth Campuses; 31,320 for University Park; 2,600 for Capitol Campus; 2,180 for Behrend College; 500 for The Milton S. Eisenhower Medical Center and 250 for the King of Prussia Graduate Center — with a grand total of 52,200.

Emphasizing that the University must set realistic goals and consciously work to achieve the kind of future it desires, Mr. Norris said that:

- Enrollment levels should be planned not just happen.
- The adjustment process should be gradual.
- There must be flexibility in use of resources — human, physical, fiscal.
- There must be adaptability and flexibility in the academic programs of the University.
- The expectations of students, society and the University must be brought into congruence.
- The character of the University is the scope and quality of its programs and services must be made apparent to the public it serves.
- Efficiency of operation and the ability to reallocate resources must be further enhanced.
- Financial support must continue to grow even though enrollments are stable.

Penn State Intercom

Senate decides 8-week drop rule will be retained

The eight-week drop rule, under fire from some faculty members, will be maintained in its current form unless it is shown in the future to have been detrimental to the University's academic standards.

That decision was made at the Dec. 6 meeting of the University Faculty Senate and was based on a recommendation by the Senate Subcommittee on Academic Standards, which had reviewed the rule.

Under the eight-week drop, students can drop courses from the fourth through the eighth week of the term with the notation WP (Withdrawn-Passing), WN (Withdrawn-No Grade), or WF (Withdrawn-Failing) on their records. Previously, there was a three-week limit on course drops except for cases with extenuating circumstances.

Senator Barton Browning, associate professor of German, said the subcommittee had not found any evidence at this time to support claims that the extended drop period had lowered the University's academic standards. He added, however, that because the rule is only one year old, it should come under continuing review.

Senator Henry Albinski, professor of political science, said he thought the subcommittee should consider recording the grade earned in the course up to the time of withdrawal in the student's transcript.

"If we report that a student has withdrawn with an 'F,' we should also report other levels of performance," Dr. Albinski said.

He added that course requirements unfulfilled up to the point of withdrawal should be regarded as assignments failed.

According to the subcommittee, the previous three-week drop rule was unfair because some Colleges and Campuses were more lenient than others in extending the drop period.

In line with a second proposal of the subcommittee, the Senate voted to ask the Provost to consider raising the filing fee, currently two dollars for late course drops.

The action on the eight-week rule was preceded by a forensic session in which senators discussed the continuing financial crisis of Pennsylvania's State-related colleges and universities.

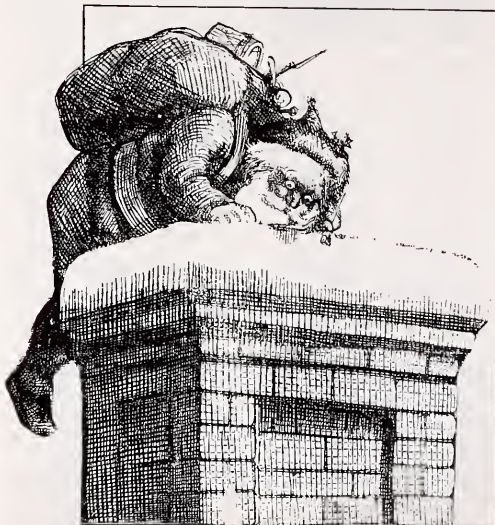
Senior Vice President for Development and Relations Stanley O. Ikenberry said Penn State's primary concern over the last several months has been to communicate the seriousness of the problem to all Pennsylvania residents.

He noted that the University has been strongly supported by groups from all segments of society, including bankers, farmers, labor, and religious organizations. He also urged senators to "categorically deny" any rumors that the University is going to close.

Provost Edward D. Eddy reminded the senators that the University's current five-year planning effort is not a spinoff of the problems in Harrisburg and was conceived long before those problems developed.

The five-year plan, Dr. Eddy said, is not an attempt to restructure the University or "to add more students to already heavy

(Continued on page 4)



News in Brief

Merry Christmas, Happy New Year

This is the last issue of INTERCOM for 1977. Publication will resume on Thursday, Jan. 5. Items for the Jan. 5-15 calendar should be sent to Room 312 Old Main by Thursday, Dec. 29.

Charter bus available for Chicago MLA meetings

Faculty interested in attending the Modern Language Association meetings in Chicago after Christmas may wish to take advantage of bus transportation being provided through the College of the Liberal Arts. Some spaces are still available on the bus, which will leave at 6 a.m. on Tuesday, Dec. 27, from behind Sparks Bldg. There will be a lunch stop during the trip, which is expected to take about 12 hours, and the bus will make stops at the larger hotels in the city. Passengers will begin the return trip at noon on Friday, Dec. 30. Further information and reservations are available at 865-9555.

Children's Christmas party

A highlight of Holiday Festival IV, the inter-cultural holiday celebration at the University Dec. 11-18, will be a Children's Christmas Party from 12:30 to 3:30 p.m. on Saturday, Dec. 17, at the Paul Robeson Cultural Center, 101 Walnut Bldg.

The party is free and open to children of University employees — and their parents.

The program will include a play, "Nonsensical Robots," performed by the Children's Theatre at the University. Refreshments will be offered, and two celebrities — Santa Claus and the Nittany Lion — will take part in the festivities.

The party is sponsored by the Paul Robeson Cultural Center.

Bookstore sale Dec. 21

The University Park Bookstore, located in McAlister Bldg. and the IUB, is having a special sale for all Penn State employees and their families. From noon to 9 p.m. on Wednesday, Dec. 21, all items will be sold at 20 percent off. Included are clothing; gift items; engineering, art, and general supplies; and all books, except for texts. The bookstore has a large selection of calendars, ranging from J.R.R. Tolkien to the Italian Ponte-Vecchio art calendars — all of which will be on sale.

Eddy to address AAUP

Provost Edward D. Eddy will address a meeting of the American Association of University Professors at 7:30 p.m. on Thursday, Dec. 15, in Room 101 Kern Bldg. Dr. Eddy will share some of the impressions he has gained during his first months at the University.

The meeting, which is open to the public, will also include a discussion of the status of part-time and non tenure-track faculty at Penn State.

If winter comes, can funding be far behind?

The University's appropriation for the 1977-78 fiscal year moved closer to reality last Monday after passage by the State Senate, following earlier approval by the House of Representatives.

As INTERCOM went to press Tuesday, the House still had to act on two Senate-passed measures: (1) A tax on utilities exported from Pennsylvania to other states, and (2) a reduction by approximately \$80 million in the general State budget approved last August. Once these measures are passed, the appropriation bill can go to the Governor for his signature, and University officials are hopeful that funding will not be long delayed.

(Continued on page 5)

MBA Program rated in top 20 by college deans

The Master of Business Administration Program at the University rates very well in a recent poll of business school deans taken by MBA Magazine. Of the 130 accredited programs assessed, Penn State ranks in the top 20 in overall quality and seventh in academic improvement over the last year.

The top ten programs in terms of overall academic quality are Stanford, Harvard, University of Chicago, MIT, University of Pennsylvania, Carnegie-Mellon, Northwestern, UCLA, Dartmouth and University of Michigan.

Rated on academic quality improvement over the last year, the top ten schools are Cornell, Stanford, UCLA, University of North Carolina, Northwestern, Dartmouth, Penn State, Virginia, Ohio State, and University of Pennsylvania.

In noting changes in the ratings over the last four years, the editor of MBA Magazine commented: "The top schools are being challenged by schools such as Cornell, Penn State, the University of Virginia, the University of North Carolina, and Indiana University."

New to the survey this year is a ranking of schools whose students are drawn primarily from a given region. Eliminated from this ranking are many of the private institutions such as Harvard and MIT which recruit on a national basis. In the heavily competitive Northeastern region, Penn State ranked number one in academic quality. The Northeastern rankings are presented below. The scale used by the deans in assessing the schools ranged from marginal (1) to distinguished (5).

Penn State University	3.71
University of Rochester	3.64
New York University	3.61
University of Pittsburgh	3.17
University of Maryland	3.10
SUNY Buffalo	2.92
University of Massachusetts	2.85
Syracuse University	2.75
Rutgers	2.64
Boston University	2.50

Dr. Eugene J. Kelley, dean of the College, notes, "This external ranking of Penn State's MBA Program is recognition of the progress being made by the faculty toward CBA's goal of building the strength and stature of Penn State in management education."

Psychology 14th in productivity

Penn State's Department of Psychology ranks 14th in productivity (and 19th in reputation) among 76 graduate departments of psychology in the United States, according to an article in the October issue of the American Psychologist.

The article, written by W. Miles Cox and Viola Catt, describes their attempt to find a more objective method of measuring the quality of graduate departments than that of relying on assessments by fellow academics.

(In a 1970 study by Kenneth D. Roose —

(Continued on page 4)

Penn Staters

Dr. Donald F. Moores has been named head of the Division of Special Education, effective Jan. 1.

Dr. Moores, who holds the rank of professor of education, is a graduate of Amherst College. He received his M.S. in education of the deaf at Gallaudet College and M.A. in secondary school administration and supervision at California State University. His Ph.D. in psycholinguistics, learning theory and deafness was awarded by the University of Illinois. Prior to his appointment, Dr. Moores was professor of educational psychology at the University of Minnesota and director of that University's Research, Development and Demonstration Center in Education of Handicapped Children.

He is the author of a recent book, *Educating the Deaf: Psychology, Principles and Practices*, and of more than 85 papers. He also serves as a member of the editorial board of the *Journal of Rehabilitation of the Deaf*.

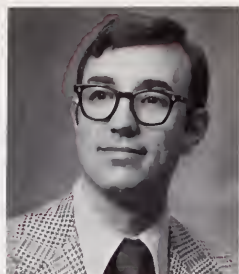
Dr. Ram P. Kanwal, professor of mathematics, has been chosen to participate in the 1977-78 Visiting Lectureship Program of the Society for Industrial and Applied Mathematics (SIAM). Lecturers give formal talks at universities and colleges throughout the U.S. and Canada at the undergraduate or advanced level, confer with students and faculty members and discuss problems of concern such as teaching methodology, curricular matters and employment.

Dr. Dorothy V. Harris, professor of physical education, was elected to a second four-year term on the Managing Council of the International Society of Sport Psychology at the society's fourth World Congress in Prague. Dr. Harris presented an invited plenary address, "A New Way to Look at Personality in Sport," at the Congress. Following the Prague meeting, she gave the keynote address, "Motivation in Sport," at the International Symposium on Behavioral Assessment in Sport held at Wingate Institute of Sport and Physical Education, Israel. Dr. Harris was also honored recently for her contributions to physical education with the presentation of the Professional Honor Award for meritorious and unselfish service to the profession at the Pennsylvania Association for Health, Physical Education and Recreation Conference held at Seven Springs.

Dr. John Waldhausen, professor and chairman of surgery at Hershey, presented a paper last month at the International Cardiorespiratory Symposium in Bombay, India. His paper was titled "The Role of Surgery in Coronary Artery Disease." Dr. Waldhausen also served as a visiting professor in surgery at the University of Munich in November.

Dr. A. K. Blackadar, professor and head of the Department of Meteorology, was recently appointed chairman of the U.S. National Committee for the International Association of Meteorology and Atmospheric Physics (IAMAP).

Marshall E. Wilcher has been promoted to assistant professor of political science at New Kensington.



Dr. Gregory L. Geoffroy, assistant professor of chemistry, is one of 16 U.S. teacher-scholars honored by the Camille and Henry Dreyfus Foundation for outstanding ability as a chemical educator and researcher.

One of the most prestigious prizes in its field, the Dreyfus Teacher-Scholar Grant consists of \$35,000 to be used to carry out teaching and research plans submitted by the winners at the time of their nomination. Only one nominee is allowed per institution. Dr. Geoffroy is the first Penn State faculty member to be honored in the eight-year-old program.

He plans to apply the grant to research on the photochemistry of organometallic compounds and studies of transition metal cluster chemistry. The work has potential applications in the development of alternative energy sources and new industrial catalysts.

He also plans to use part of the grant to try a new self-paced approach to the freshman general chemistry course. Each

student will be able to advance at his or her own pace and the course will also feature specially designed tutorial sessions for the highest and lowest achievers.

Dr. Geoffroy points out that since freshman general chemistry enrollments often exceed 200, the course must be tailored to the level of the average student. As a result, "some of the students with the highest potential can lose interest because of what appears to them to be a slow pace," he says, "while students at the low end of the background ability scale may find the pace too rapid."

In addition, the course may benefit some students who aren't enrolled since Dr. Geoffroy hopes to use senior and junior chemistry majors as tutors. He believes the experience as teachers will aid the tutors in their own educational development.

Dr. Geoffroy has been a member of the Penn State faculty since 1974 when he received his doctoral degree from the California Institute of Technology. A graduate of the University of Louisville (Kentucky), he won awards there in his junior and senior years as the outstanding science major.

He is the author of more than 35 research papers published in scholarly journals and the book, *Organometallic Photochemistry*, to be published in 1978 by Academic Press. In addition, he is National Program Chairman of the American Chemical Society Division of Inorganic Chemistry.

Also included among this year's Dreyfus Award winners is Penn State alumnus Dr. Harold Kohn, University of Houston, Texas. Dr. Kohn earned his doctorate in chemistry at Penn State in 1971.



James J. McKeehen, left, and Allen R. Keniston, center, receive 25-year awards from College of Agriculture Dean James M. Beattie.

Allen R. Keniston and James J. McKeehen of the University's county Cooperative Extension staff are marking their 25th year at Penn State. Mr. Keniston is Cameron County Extension director and Mr. McKeehen, Delaware County agent.

A native of Oil City, Mr. Keniston has been a member of Penn State's staff since graduating from the University in 1952. Before assuming his present post in 1974, he was an agent in Bedford and Cameron Counties. His work in Cameron has focused on full- and part-time farmers, homeowners and absentee landowners. During his tenure, he initiated a county

4-H fair which attracted sufficient attention to warrant the development of a Cameron County Fair with a permanent 4-H building.

Mr. McKeehen holds a B.S. in dairy science and his M.A. in horticulture from Penn State. He began his career in Erie County, moving to Delaware in 1958. He has twice won the National Association of County Agricultural Agents' Search for Excellence Award for innovative programs in multi-county and urban Extension work. He also received a Distinguished Service Award from the National Association.

Four visiting professors are currently serving on the faculty of the College of Earth and Mineral Sciences.

Dr. Raicho G. Raicheff, associate professor at the High Institute of Chemical Technology in Sofia, Bulgaria, is spending two terms as visiting professor of metallurgy. His special interests are corrosion and metal protection.

Dr. Allan J. R. White, chairman of the Department of Geology at La Trobe University, Melbourne, Australia, is spending a year as visiting professor of petrology.

Dr. Thomas C. G. Falk, an instructor of economic geography at the Stockholm School of Economics, Sweden, will be here until late summer, serving as visiting associate professor of geography. His primary interests are in urban development and retail location.

Dr. Lawrence Hudson will be at Penn State throughout this academic year, as visiting assistant professor of mineral economics. He is associate professor of economics at St. Lawrence University, Canton, N.Y.

Dr. Anton Schoolwerth, assistant professor of medicine and physiology at Hershey, presented a paper, "The Role of Glutamate Metabolism in Ammonia Formation by Rat Kidney Mitochondria," at the fourth International Symposium on Biochemical Aspects of Kidney Function in Reimsburg, Germany. The paper was coauthored by **Barry Nazar**, research technician in medicine, and **Dr. Kathryn LaNoue**, associate professor of physiology.

Dr. Daniel W. Pfaff, associate professor of journalism, has been named to the board of corresponding editors of *Journalism History*, a quarterly journal devoted to research in journalism and mass communication.

Bookshelf

England's incomparable Rossettis are the subject of a major biographical work by **Dr. Stanley Weintraub**, research professor of English and director of the Institute for the Arts and Humanistic Studies. Entitled *Four Rossettis: A Victorian Biography*, the book was published last week by David McKay under its Weingraber and Talley imprint.

It chronicles the lives of Dante Gabriel Rossetti, the writer and artist whose name is synonymous with the Pre-Raphaelite movement; his sister, Christina, a poetess; another sister, Maria, author of a major literary study; and a brother, William, the family historian.

Dr. Weintraub, a leading biographer of Victorian and early 20th century English writers and artists, is the author or editor of some 25 books. His biography of artist James McNeill Whistler, a contemporary of the Rossettis, was widely acclaimed, and his study of Aubrey Beardsley, published in 1967, was a National Book Award nominee.

Retirement

Robert F. Fletcher, professor of vegetable crops extension, will retire Jan. 1 with 28 years of service. He has been granted emeritus rank.

Prof. Fletcher earned B.S. and M.S. degrees in horticulture from Penn State. During his years as an Extension vegetable crops specialist, he has received many awards for his leadership in working with the Pennsylvania vegetable industry.

Appointments

Harold M. Frost as research associate, intercollegiate programs, at University Park. B.A., M.S., Ph.D., U. of Vermont. Formerly research physicist, Bureau of Radiological Health, Rockville, Md.; resident research associate, Air Force Cambridge Research Lab, Bedford, Mass.; research associate, U. of Vermont.

Marilyn S. Gardner as instructor of physical education at McKeesport. B.S., Penn State U.; M.Ed., U. of Pittsburgh. Formerly instructor, Penn State U. at McKeesport Campus; teacher, Serra High School, McKeesport.

Patricia A. Gracy as instructor of nursing at Behrend College. B.S., Villa Maria College; M.S., State U. of New York. Formerly coordinator, St. Vincent Health Center, Erie, and Franklin Hospital, Franklin, Pa.

Robert D. Hume as professor of English at University Park. B.A., Haverford College; Ph.D., U. of Pennsylvania. Formerly associate professor at Cornell U.

Robert H. Jacoby as associate professor of petroleum and natural gas engineering at University Park. B.S., U. of Pennsylvania; M.S.E., U. of Michigan. Formerly research associate, Gulf Research & Development Co., Pittsburgh; engineer, Amoco Production Co., Tulsa, Okla.

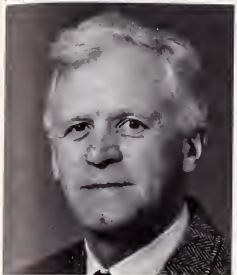
(Continued on page 6)

Obituary

Nancy L. Kalin, who retired as an assistant professor of English in 1975, died Dec. 2. Mrs. Kalin earned a B.A. at Penn State and her M.A. in English at the University of Pittsburgh. She began teaching at the University in 1958 and became a full-time faculty member in 1965.



Joseph R. Cardenuto

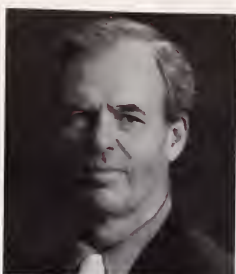


William L. Kjelgaard

The College of Agriculture has awarded 25-year chairs to nine faculty members. They are: **Joseph R. Cardenuto**, professor of rural sociology extension; **William H. Folwell**, associate professor of extension information; **John F. Hokanson**, professor of veterinary science; **Carroll L. Howes**, assistant professor of agricultural extension; **William L. Kjelgaard**, associate professor of agricultural engineering; **Jerome K. Pasto**, professor of agricultural economics and associate dean for resident education; **C. Marshall Ritter**, professor of pomology; **Robert E. Swope**, professor of veterinary science and assistant dean for resident education; and **Robert G. Wingard**, professor of wildlife management extension.

Prof. Cardenuto holds an Ed.B. in physical education and recreation from the University of Buffalo and an M.S. in recreation administration from Indiana University. His experience in the field of recreation has been utilized by researchers in the U.S. Forest Service, the U.S. Department of Agriculture and academicians throughout the Northeast. Active in the Pennsylvania Recreation Parks Society, he has served as an officer of the group. In the area of resident education, he has counseled numerous students concerning vocational opportunities.

Mr. Folwell began working for Penn State in 1947 as assistant Indiana County agent, then farmed for a while in Chester County, returning to campus in 1956 as a television editor. He has a B.S. in



William H. Folwell



Jerome K. Pasto

agronomy from Penn State and an M.A. in the psychology of visual communication from the University of Pennsylvania. He has held his present post as an Extension visual aids specialist since 1963 and in 1968 won a Farm Film Foundation Award for his work in producing a 20-minute color film, "Milk and the Multitudes."

Dr. Hokanson has a B.S. in animal husbandry from Virginia Polytechnic Institute and a D.V.M. from Cornell's Veterinary College. Before coming to Penn State, where his primary responsibility has been to serve as University Veterinarian, he was associate professor at the Veterinary College of Auburn University and then engaged in private veterinary practice. He has trained many veterinary school graduates in the clinical services and recently has devoted much of his time to advising students in the animal science major.

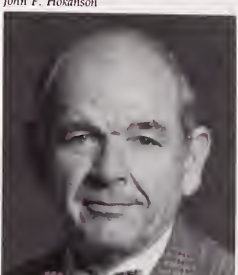
As associate State 4-H leader, Mr. Howes' major responsibilities are in livestock program liaison and the coordination of publications and the national awards program. Prof. Howes earned a B.S. in agricultural education at Penn State and received his M.S. in extension administration from the University of Wisconsin. He served as associate county agent in Washington County for five years before joining the University Park staff.

Prof. Kjelgaard is another Penn State alumnus; his B.S. and M.S. degrees are both in agricultural engineering, and he served as an instructor at West Virginia University before coming back to the University. His research emphasis has been in the area of forage and tillage machinery, and he was recently granted a patent as co-inventor of a "Method and Apparatus for the Adiabatic Expansion of Liquid Anhydrous Ammonia."

Dean Pasto earned three degrees from Cornell University—a B.S. in agronomy, M.S. in farm management and Ph.D. in land economics. He has been active far beyond the confines of Pennsylvania agriculture, serving from 1957-59 as a farm management specialist with the United Nations Food and Agricultural Organization. He headed a three-man exploratory mission to study agricultural potential in Venezuela and also studied farming practices in Asian countries during a six-month leave in 1965-66. In recognition of his leadership in helping revise the College's curriculum and in



John F. Hokanson



C. Marshall Ritter

providing graduate study opportunities in agriculture for black Americans, Dean Pasto was named an Outstanding Educator of America in 1971. He has served as president of the National Association of Colleges and Teachers of Agriculture and as chairman of the Resident Instruction Section, Division of Agriculture, National Association of State Universities and Land-Grant Colleges.

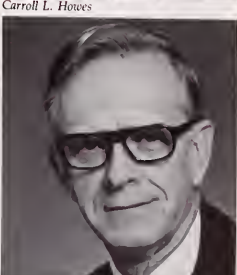
The nutrition of tree fruits, the evaluation of growth controlling rootstocks of apples and the maintenance of a collection of fruit varieties have been the primary research interests of Dr. Ritter. He earned his B.S. in vocational agriculture and M.S. in horticulture at West Virginia University and a Ph.D. in horticulture at Ohio State. Since 1969, Dr. Ritter has served as an Extension specialist in pomology. Last year he was a co-recipient of the Carroll R. Miller Award for excellence in research relating to improved production and use of peaches. He also received the Outstanding Teacher Award from the State Horticultural Association in 1967.

Dr. Swope attended Gettysburg College and received a D.V.M. at the University of Pennsylvania. He served as a captain in the U.S. Army Veterinary Corps and worked as a field veterinarian and research pathologist at the University of Maryland for four years. From 1958-60, he was a member of Kansas State University's veterinary education project in India. Appointed assistant dean at Penn State in 1964, he served with the Rockefeller Foundation as advisor to the University of Chile School of Veterinary Medicine and the Ministry of Agriculture Experiment Station in 1966-67. He was Chief of Party from 1969-71 for the Penn State Agricultural University Development Project in India and was the coordinator of International Agricultural Programs for the College from 1971-73.

Prof. Wingard helped conduct a deer management educational program to win public understanding and acceptance of the scientific harvesting of deer. He won an Award of Merit from the American Association of Conservation Information for developing 4-H wildlife conservation materials. The author of the book, *Urbans Planning in Rural America*, he is presently involved in wildlife pest management and aquatic plant control using herbicides. Prof. Wingard received his B.S. in forestry and M.S. in wildlife management from Penn State.



Carroll L. Howes



Robert E. Swope



Robert G. Wingard

Funding Sources

For further information, call 865-1372

(297-2) The Office of Water Resources has announced a Jan. 27 deadline for FY 1978 Title II "Research Project Proposals." A unit of the U.S. Department of the Interior, OWR emphasizes solutions to important water problems of national interest. This emphasis covers areas such as, resource management alternatives, anticipation and preparation for droughts, and ground water management systems. Past projects have ranged from \$10K to \$250K with a \$70K median. (Ref. OWR Synopses No. 301)

(298-2) The National Research Council announces a Jan. 15 deadline for **Postdoctoral Research Associateships in Federal Laboratories**. Stipends of \$17K are provided. Call (202) 386-6554 for application material. (Ref. C&U Rept. 652)

(298-3) Proposals for the **NSF Antarctic Research Program** have a June 1 deadline. Research areas supported include: glaciology, biology, earth sciences, upper atmosphere physics, meteorology, and ocean sciences. Exchange scientist proposals are also supported relating to one of the USSR stations. (Ref. NSF 77-63)

(298-4) The Office of Education has announced deadlines for five projects under its **Right to Read Program**: Jan. 17 for **State Leadership Training**; Feb. 3 for **Reading Improvement Projects** (new applications); and April 3 for **Reading Academies**; **Reading Improvement Projects** (continuation applications); and **Special Emphasis**. The overall program purpose is to fund projects which will contribute to the improvement of reading skills throughout the country. (Ref. OE Application CFDA 15.533)

(298-5) NSF programs in **Information Dissemination for Science Education** have a Feb. 15 closing date. This program offers school system representatives and other teachers at the pre-college level the opportunity to learn about new and alternative instructional materials, classroom practices, and research findings. (Ref. SE 78-33)

(298-6) The HEW Office of Education has published final regulations for its **Career Education and Career Development Programs**. (Ref. 42FMR1225-30, 121/77) (CFDA 15.554)

Department of Public Information and Relations
Room 312 Old Main
University Park, Pa. 16802
Telephone: (814) 865-7517

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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Additional comments on BDR

There is something very deeply wrong with the present processes of American education in all matters pertaining to science and technology. The results are all around us. A citizenry, its political leaders and, alas, its intellectual leaders, who have become tourists in their native land, in their own culture suffused with, and dominated by, the science-technology motif. The damage to the socio-political fabric of society is only now beginning to be felt. The widespread anomie felt by such a large fraction of the population and the resulting petulance and impotent anger expressed in irrational voting in national and state legislatures on many political issues colored by technology bodes ill for the future.

Surely many individuals, societies, institutions must share the blame for this state of affairs. But in this article I focus only on the role of the requirements for the typical college degree in the U.S. — the BDR of Penn State (and of course most other institutions). I hang my head in shame when I consider the lack of concern shown by departmental faculties for the total content of their own curricula. Surely

every department should be required to turn in to the BDR committee its considered collegial judgement — open to scrutiny by the students and the outside world — regarding *ALL the subject matter*, (not courses) a student should have to be a functioning, well-educated citizen. I submit that this was the one thing that would rock the BDR concept in the science and technology area to its very foundation. I believe that the BDR concept provides the worst of both worlds due to egregious errors in educational theory. The first error is that everything — including all about science — is learned better from a cafeteria of 12 credits of unrelated courses. We lose thereby the entire benefit of pyramiding and synergizing knowledge. The alternatives of one (possibly two or three) carefully integrated set(s) of four courses, would multiply by one order of magnitude the total learning of science-technology of the average student.

The second error is to imply that science-technology is better taught by starting with general principles and abstract concepts and moving to the particular and the concrete. For the vast majority of students, nothing could be further from the truth. We proceed from experience and empirical data to first

principles; from applied to basic.

J. C. Slater, long-time head of M.I.T.'s physics department, wrote about this matter of the proper sequence of applied and abstract in learning about science even for the science major as follows:

"If the coming generation of chemists or physicists could receive training, in the first place, in empirical chemistry, in physical chemistry, in metallurgy, and in crystal structure and in the second place in theoretical physics, including mechanics, and the structure of atoms and molecules, and finally in thermodynamics, statistical mechanics, . . ." (emphasis added).

Most importantly, as someone intimately involved in the public (including college students) understanding of science, I find that it borders on the criminal, for a university faculty of scientists (many in the College of Science, some in EMS, Ag, Engg) and engineers (many in Engineering, some in other colleges) to fail to teach all students about the interrelation and mutual impacts of Science, Technology and Society. Here is what Einstein said once: *"It is not enough that you should understand about applied science in order that your work may increase man's blessings. Concern for man himself and his fate must always form the chief interest of all technical endeavors, concern for*

the great unsolved problems of the organization of labor and the distribution of goods — in order that the creations of our mind shall be a blessing and not a curse to mankind. Never forget this in the midst of your diagrams and equations."

We as the PSU faculty are responsible for the basic education of citizens who will spend more than half their professional lives in the 21st century. To continue old patterns unexamined fearlessly would be unconscionable. What in PSU-BDR requirements helps a student relate the science he learns to humankind's goals?

My alternative for the BDR S-T Requirement:

12 (or possibly 15) credits of an integrated set of courses covering Science and Technology (and its interaction with Society) taught by an intercollege, interdepartmental faculty group specifically interested in such courses drawn from the Colleges of Science, Engineering, E&MS, and Agriculture. The details of one such approach have been successfully worked out by a NSF-funded team of prominent scientists and engineers, and it has been tested in many universities.

Rustum Roy,
Professor of the Solid State,
Director, Materials Research Laboratory

Senate

(Continued from page 1)

teaching loads. Instead, he characterized it as an attempt to provide planned reallocation of resources to ensure quality in the future.

"Its purpose is simply to ask, 'What should we do, what can we do well, recognizing that for the foreseeable future, we'll have to do with less,'" he said.

Faculty Senate Chairman Thomas E. Daubert briefly outlined the Senate's activities related to the crisis and noted that a group of faculty senators had attended a breakfast meeting in Harrisburg with several members of the General Assembly in mid-November.

Senator Sally Small, associate librarian at the Berks Campus who was a member of that group, said the University needed to renew its efforts to sell itself to legislators from all counties and especially those with Penn State Campuses.

Representing the Senate Committee on External Affairs, Senator Philip A. Klein, professor of economics, presented a letter to the Senate which was mailed to all members of the General Assembly. The letter is signed by Dr. Daubert.

"Interest is currently running at the rate of about \$5,000 a day — a sum which is considerably in excess of the total costs for one student attending Penn State for an entire academic year," the letter states.

Senate also heard an informational report on the basic skills program. Representing the Special Committee on Basic Skills, Senator George McMurry, professor of electrical engineering, presented the following figures:

During summer and fall terms of 1977, 11,275 students took entrance exams to determine proficiency in math and writing. Some 647 or 6 percent were deficient in both writing and math, and 2,228 (20 percent) were deficient in either one or the other.

In all, 2,875 incoming degree candidates, about 25 percent of all incoming students, were deficient in one or both of the areas.

A total of 2,365 students (82 percent of total deficiencies) are at Commonwealth Campuses and Behrend College while 510 are at University Park.

On Aug. 30, the first retake exam was offered. Of the 710 students deficient in math who took the exam, 478 passed the exam. Those students had not taken any course specifically designed to help them, since Math 198B, the basic skills course, was not offered during summer term.

Some 170 students removed their deficiency in writing by passing English 4,

either through Resident Instruction or Continuing Education. Another 246 students did not take the course but did take the retake exam on Aug. 30. Of that group, 52, or about 21 percent, passed.

Dr. McMurry noted that a second retake exam was offered in mid-November and that its results will be reported to the Senate soon.

In other action, the Senate passed a proposal by the Committee on Planning and Development making the committee responsible for calling for the preparation of cost estimates to accompany major Senate proposals.

Psychology

(Continued from page 1)

former dean of Penn State's College of the Liberal Arts — and Charles J. Andersen, Penn State's graduate program in psychology was ranked 19th in the country by the academics polled.)

To compile productivity ratings, the researchers tallied the number of articles which were published by each department's faculty between 1970-75 in 13 journals of the American Psychological Association.

Penn State's faculty published 111.9 articles during the five year period, according to the study. Professors at the University of Wisconsin at Madison published the most articles — 260.4. Wisconsin had previously been ranked eighth in reputation by the Roose-Andersen survey.

Some 37 percent of the institutions measured in both surveys received higher rankings for reputation than for productivity, according to Cox and Catt. Among universities with the largest discrepancies were Brown (12th place in reputation; 70th, in productivity), Cornell (20, reputation; 59, productivity), Carnegie-Mellon (30 reputation; 68, productivity), Princeton (28 reputation; 60, productivity) and Harvard (4, reputation; 28, productivity).

Conversely, Purdue was ranked 40.5 in reputation in 1970 when its department was still fairly new, but is now 11th in productivity. The University of Missouri at Columbia and the University of Maryland were both ranked 62.5 in reputation seven years ago. Currently, Missouri stands 22nd in productivity and Maryland, 23rd.

The researchers cautioned that journal production is obviously only one measure of quality among graduate departments and noted that their findings might best be used by schools to assess their faculty's relative standing in quality journal-level productivity.



The new Center — before the snow fell.

York dedicates Student/Community Center

Speaking at the dedication of York Campus's new Student/Community Center on Dec. 4, Provost Edward D. Eddy expressed the hope that the building might become a force "for the enrichment and extension of education."

"Today offers a special opportunity for York," Dr. Eddy said, "because it might be a day when we add a major, missing dimension to higher education."

The missing element, according to Dr. Eddy, is "the art of conversing with much substance or meaning." He recalled that higher education once provided a milieu where "men and women had the time and inclination to discuss and argue some of the bigger issues of the world and of human existence."

Dr. Eddy cited several reasons for the decline of conversation. He noted studies showing that a typical pre-school American child spends 50 hours a week watching television, and declared, "If [television] has made us prisoners of trivia. We introduce it to the pre-schooler for seven hours a day, and it slowly eats into large chunks of the . . . free time available to the adult. And, in the process, we never learn to converse or discuss. . . ."

A second factor is over-emphasis on career education, Dr. Eddy said.

"One of our great faults," he continued, "has been to put such a heavy job orientation on higher learning that we ignore those far larger chunks of time when one isn't job-oriented or when one is doing something other than that for which he or she prepared."

"If careers and professionalism control

the form as well as the substance of the major thrusts of higher education, we will succeed in equipping the student to talk only about his or her job — and what that student will be."

Dr. Eddy cited still another deterrent to the art of conversation — the fear of admitting one's ignorance.

"And yet," he said, "that is the whole rationale for higher education: Somebody does know something more than we do — and we are here to find it out. I am pleading with the students, if not the faculty, then, to begin by admitting the limits of our knowledge. A campus exists because we want to share information and points of view. And that's what the art of conversation is all about."

"I hope this Center provides the missing element at Penn State/York: over a snack, around a lounge, in the office and Community Room, and wherever honest people talk together."

The new \$750,000 center was built with funds raised through a community drive initiated in 1975 by the Campus Advisory Board and led by William T. Wolf, past Advisory Board chairman.

The building is linked to the Campus gymnasium by a sky-lighted, brick-lined hallway and contains a multi-purpose Community Room where students can study and informal campus events are held. Student and staff office space is also included in the structure, as well as a new lunch room and student activity room.

The center provides long needed space for York's 900-plus day students, most of whom are commuters and consequently need a facility to use between classes.

University Park Calendar

Dec. 15-Jan. 5

Special Events

Thursday, Dec. 15

Tis the Season Candlelight Dinner, 5-6:45 p.m., HUB Terrace Room.
Hetzl Union Board Holiday Fireside Chat, Rev. Dale S. Bringham, Grace Lutheran Church, State College, "Herod's Magus," 7:30 p.m., HUB reading room.

Japanese Language and Literature films, "Our Ancestor: The World of Jomon," "Culinary Art of Japan," "Noh, Medieval Lyric Drama," and "Kabuki, Classic Theatre," 7:30 p.m., HUB assembly hall.

New Kensington House film, *A Night at the Opera*, 7:30 and 9:30 p.m., FUB rec room.
University Park AAUP meeting, Provost Edward D. Eddy will speak; a discussion about part-time and other non-tenure track faculty will follow, 7:30 p.m., Room 101 Kern.
University Readers, readings with special Christmas flavor and feeling, 8 p.m., Room 112 Kern.

Friday, Dec. 16

Christmas Crafts workshop, 11 a.m.-1 p.m., Kern lobby.
Traditional Christmas carols led by Phi Mu Alpha and Mu Psi Epsilon, noon-1:30 p.m., Kern lobby.

Tis the Season Candlelight Dinner, 5-6:45 p.m., HUB Terrace Room, international music featured.

Astronomy Open House, 7-10 p.m., 6th floor, Davey Lab. See Jupiter, first quarter moon, Great Nebula in Orion. Cloud date, Dec. 17, same time.

Hetzl Union Board film, *Oliver*, 7:30 p.m., HUB assembly hall.

Sports: gymnastics, vs. Michigan State, 8 p.m.

Saturday, Dec. 17

Children's holiday party, for 10-15 year olds, 12:30-3:30 p.m., Robeson Cultural Center, Walnut.

Hetzl Union Board film, *Oliver*, 1 and 7:30 p.m., HUB assembly hall.

Sports: women's swimming, vs. Rutgers, 1:30 p.m.; men's swimming, vs. Rutgers, 4 p.m.
Graduate Commons Madrigal Dinner, 6:30 p.m., Room 102 Kern.

france-cinema, Demy, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.
Faculty Club, Winter Holiday Ball, 9 p.m., Faculty Club.

Sunday, Dec. 18

University Chapel service. Christmas Concert.

All Faith Choir, 11 a.m., Music Bldg. recital hall.

Hetzl Union Board film, *Oliver*, 1 and 7:30 p.m., HUB assembly hall.

Shaver's Creek Nature Center, Birdhouse and Feeder Building Workshop, registration necessary, 8:05-10:15, 2 p.m., Stone Valley, Penn State Glee Club, 3 p.m., Eisenhower Auditorium.

Graduate Commons Madrigal Dinner, 6:30 p.m., Room 102 Kern.

france-cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

Monday, Dec. 19

Pass/fail deadline.
Donald Taylor, Social Welfare Dept., Melbourne, Australia, on "Changes in the Adult Corrections System of Australia," 1:15 p.m., Room 207 HUB.

Color Slide Club meeting, Xmas party: competitions, "Open" and "Abstract," 7:30 p.m., Room 112 Kern.

Tuesday, Dec. 20

Pass/fail deadline.

ARI Awards Day program, 3:30 p.m., Room 112 Kern.

Winter term recess begins, 9:55 p.m.

Thursday, Dec. 22

Holiday, University offices closed.

Friday, Dec. 23

Holiday, University offices closed.

Monday, Dec. 26

Holiday, University offices closed.



Tuesday, Dec. 27

Holiday, University offices closed.

Wednesday, Jan. 4

Winter term classes resume, 8 a.m.

Drop deadline.

Pass/fail deadline.

Course repeat deadline.

Pre-registration deadline (spring term 1978).

Commonplace Theatre, *Five Easy Pieces*, 7:30

and 9:30 p.m., Room 112 Kern.

Sports: men's basketball, vs. Rutgers, 7:30 p.m.

(EAA game).

Thursday, Jan. 5

Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates.

Seminars

Thursday, Dec. 15

Computation Center, "RJE," (2 of 5) suggested for users of research accounts, 7:30 p.m., Room 108 Form.

Friday, Dec. 16

Surface Science, H. Froitzheim, Bell Laboratories, on "High Resolution Spectroscopy of Energy Loss at Surfaces," 3 p.m., Room 339 Davey.

Physical Chemistry, Gerd M. Rosenblatt, PSU, on "Transitional and Internal Energy Accommodation in Gas-Surface Collisions," 4 p.m., Room 333 Whitmore.

Monday, Dec. 19

Computation Center, "RJE," (3 of 5), suggested for users of research accounts, 7:30 p.m., Room 108 Form.

Tuesday, Dec. 20

Food Science, Jeanne Hoskin on "Chemistry of Bread Flour," 11:10 a.m., Room 201 Borland.

Water Pollution Control, Walter A. Lyon, Bureau of Water Quality Management, DER, Harrisburg, on "Case Studies in Water Quality Management," 2:20 p.m., Room 128 Sackett.

Wednesday, Jan. 4

Fuel Science, Zigmund Frompovich on "Optical Characterization of Coals," 4 p.m., Room 301 Mineral Industries.

Thursday, Jan. 5

Chemistry, Allen J. Bard, University of Texas, Austin, on "Solar Energy Conversion at Semiconductor Electrodes," 12:45 p.m., Room 333 Whitmore.

Agronomy, Richard Fox, PSU, on "Nitrogen Fertility Research in Pennsylvania," 3:35 p.m., Room 111 Tyson.

Exhibits

Anthropology Museum: open Tuesday, 9 a.m.-noon; Wednesday and Thursday, noon-5 p.m.

Chambers Gallery: David Van Dommelen and Karen Roth, fibers, through Dec. 20.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., and by appointment, Mineral Industries Bldg.

Frost Entomological Museum: open weekdays, 9 a.m.-noon and 1-4:30 p.m., Room 102 Patterson. Architecture of insects and related arthropods.

HUB Gallery: Jinx Webster, hand built pottery, Dennis Gascio, candles, Model Railroad Club exhibit, Ukrainian Club exhibit, all through Dec. 31.

Kern Commons Gallery: International Christmas artifacts; Lim Byung Jin, oriental paintings; wall hangings and batiks, all through Dec. 23. Mary Cady Rubenstein, prints, opens Jan. 3.

Museum of Art: open Tuesday-Sunday, noon-5 p.m. Toun, 2:30 p.m., Sunday.

Lanny Sommers, poster art; Kenneth Beittel, pottery; John Koch, paintings, Models and Moments, all through Dec. 21.

Zoller Gallery: open weekdays, 8 a.m.-5 p.m., Saturday and Sunday, noon-5 p.m. Student holiday exhibition and sale, through Dec. 18.

News in brief

(Continued from page 1)

Affirmative Action review

The Committee to Review the Affirmative Action Office would appreciate hearing in writing from University employees who wish to communicate with them regarding their perceptions of the operations of the office.

The main functions of the Affirmative Action Office could be described under the following three categories: (1) To help activate the Affirmative Action Plan of the University in terms of the various departments in terms of meeting goals and timetables and helping departments recognize the policies to which this University is committed in the employment of minorities, women, the handicapped, and Viet Nam veterans; (2) to serve as the office which hears complaints and grievances in the area of discrimination and to follow these with appropriate investigatory actions; (3) to be the office that encourages program development in the areas of affirmative action, such as helping departments to provide awareness activities, specialized training, and other techniques that would help the University appreciate fully the problems of women and minorities.

The committee would appreciate receiving these communications no later than Jan. 15. Address correspondence to Robert S. Friedman, Room 112 Burrows Bldg., University Park, PA 16802.

New Centrex phone system starts Dec. 21

The telephone service at Penn State will be changed to the new Centrex System beginning at 6 a.m. on Dec. 21. Instructions for use of the new system have been mailed to all faculty, staff and clerical personnel. Any questions regarding use of the new system should be referred to Telephone Services at 865-8311.

Telephone numbers will not change as a result of the new service. The only exception to this is Campus Information. The 116 number will be disconnected, and all calls should now be placed to 4-4700.

University policy on nondiscrimination revised

The University has submitted assurances of compliance with Section 504 of the Rehabilitation Act, Title IX of the Education Amendments of 1972, Title VII and VIII of the Public Health Service Act, and Title VI of the Civil Rights Act of 1964, as amended. In order to bring the University into full compliance with these acts, a revision of the University Policy on Nondiscrimination was enacted by the Board of Trustees at their November meeting.

The revised policy reads as follows: "RESOLVED, THAT THE BOARD OF TRUSTEES HEREBY AFFIRMS THE

UNIVERSITY'S POLICY ON NONDISCRIMINATION IN ALL OF ITS EDUCATION PROGRAMS OR ACTIVITIES AS DEFINED BY LAW. The Board further reaffirms the University's policy of maintaining programs of affirmative action IN RECRUITMENT, HIRING AND PROMOTION OF ALL EMPLOYEES TO AVOID DISCRIMINATION. The officers of the University are directed to continue to administer all policies without regard to race, religion, color and national origin; and without regard to handicap, age, sex or status as a disabled or Vietnam era veteran, except as provided by law. The officers are further directed to review periodically all programs of affirmative action to ensure compliance with the policy of nondiscrimination."

New Kensington phone numbers changed

The New Kensington Campus announces a change in the telephone numbers published in last week's issue. The only Pittsburgh number to be used is (412) 339-7561. The network numbers have been changed to 645-7520, 7521, 7527, 7528.

WPSX Highlights

WPSX-TV, Channel 3, has scheduled a variety of holiday specials this year. Prime among them is a two-part *Evening at Symphony* program with the Boston Symphony Orchestra in a complete performance of Handel's *Messiah*. Part one of the classic work will be presented at 8 p.m. on Sunday, Dec. 18. Parts two and three will be featured at 8 p.m. on Monday, Dec. 19.

The children in the family will have their turn at the TV set on Tuesday, Dec. 20, at 8 p.m. with *Christmas with Mister Rogers*. The popular children's television host tells the story of a young ballena who is afraid her family will not be able to spend Christmas with her. This special will be followed at 9 p.m. with Andre Kostelanetz and the National Symphony Orchestra performing Tchaikovsky's *The Nutcracker* on In Performance at Wolf Trap.

Arthur Fiedler, the Boston Pops Orchestra, and the Tanglewood Festival Chorus present a yuletide concert on *Christmas at Pops* at 8 p.m. on Wednesday, Dec. 21.

Two holiday specials are scheduled on Thursday, Dec. 22. At 8:30 p.m., Richard Kiley explores the history of Christmas traditions on *A Christmas Celebration*, (continued on page 6)

Nominees sought for Campus positions

President Oswald is appointing advisory search committees to assist him in identifying candidates for the position of director at three Commonwealth Campuses. The positions will become available because of the retirements of Donald S. Hiller as director at DuBois; Charles J. Smith, at Osgontz; and Henry I. Herring, at Schuylkill.

Mr. Hiller will retire on Sept. 1, 1978; Mr. Smith on Jan. 1, 1979; and Mr. Herring on July 1, 1978.

Mr. Hiller joined Penn State's faculty in 1941 as an instructor in political science and economics at DuBois. Both his bachelor's and master's degrees were granted by Penn State, and he assumed the office of director at DuBois in 1951. Mr. Smith is also a Penn State alumnus, with a B.S. in civil engineering. His M.S. was granted by the Carnegie Institute of Technology. A member of the civil engineering faculty since 1947, he has been the director at Osgontz since 1966. Mr. Herring's tenure as director at Schuylkill dates back to 1949. He holds bachelor's and master's degrees from Penn State.

The advisory search committees will identify those candidates who possess the ablest possible academic leadership and competent administration for the three Campuses. Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the University level. Experience in higher education administration is especially desirable.

Letters of nomination or application should be directed to Dr. Robert G.

Quinn, dean of academic instruction for Commonwealth Campuses, Room 111 Old Main, University Park, PA 16802, by Feb. 21.

Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, has appointed an advisory search committee to assist him in selecting an individual for the position of Associate Dean of Academic Instruction for Commonwealth Campuses.

The advisory search committee is chaired by Dr. Michael Cardamone, associate professor of physics (Schuylkill) and chairman of the Schuylkill Campus faculty organization. Other committee members are Michael Barendse, assistant professor of sociology (Worthington Scranton) and a member of the University Faculty Senate; Patricia Overdeer, professor of mathematics (Osgontz) and Senate member; Albert Skoma, assistant professor of English (Fayette) and chairman of the Senate Committee on Extended Degrees; Dr. Walter Severs, associate professor of pharmacy (Hershey) and chairman of the Intra-University Relations Committee; Dr. Kent Forster, professor and head, Department of History; Edward Elias, director of the York Campus; Dr. James Gallagher, associate dean for Commonwealth Campus Programs, College of Health, Physical Education, and Recreation; and Norman Aamodt, chairman of the Council of Branch Campus Student Governments.

The advisory search committee will be asked to identify qualified candidates

from within the University. The committee will receive nominations and applications effective immediately. These should be forwarded to Dr. Cardamone, Room 111 Old Main, no later than Feb. 21.

Dr. Carson Veach, director of the Altoona Campus; Dr. Robert Buckle, director of the New Kensington Campus; and George Bierly, director of the Wilkes-Barre Campus, announce the availability of the position of Associate Director for Academic Affairs at each of these Campuses.

The Associate Director for Academic Affairs will serve as the chief academic officer of the Campus. This individual will, under the supervision of the Campus Director, be responsible for providing leadership and developing and maintaining academic programs in resident and continuing education. Other areas of responsibility include assessing local community academic needs; academic planning and development; recruitment, assignment, evaluation, and development of faculty; course scheduling and records; and participation in other Campus and University activities.

Applicants for this position are expected to have a doctoral degree and a minimum of five years of experience in teaching and administration of higher education.

Advisory search committees are being established to assist the directors in this process. Letters of nomination or application should be forwarded to the Campus Director no later than Feb. 21. Two copies of a resume should accompany letters of application.

Appointments

(Continued from page 2)

William I. Lindley as assistant professor of agricultural education at University Park. B.S., M.S., Penn State U.; Ph.D., Cornell U. Formerly special consultant, U.S. Peace Corps; project manager, UNESCO; director of instructional material service, Dept. of Education, Cornell U.; instructor, W. Virginia U.; instructor, U.S. Agency for International Development.

Brian T. Keen as assistant professor of chemistry at Hazleton. B.S., S. Dakota State U.; Ph.D., U. of Wyoming. Formerly visiting assistant professor, U. of Wisconsin.

Augustus M. Kolich as assistant professor of English at University Park. B.A., Rutgers U.; M.A., Ph.D., U. of Chicago. Formerly instructor, Chicago State U.; assistant professor, Wabash College.

Ellen C. Marbach as associate professor of education at University Park. A.B., Hood College, M.S., Indiana State U.; Ed.D., U. of Houston. Formerly assistant professor, U. of Houston-Victoria Center; assistant professor, Mt. Mercy College, Texas; assistant professor, Arkansas State U.

Janice M. Mangle as assistant professor of engineering at Osgontz. B.S., M.S., Penn State U. Formerly project engineer, Pa. Power and Light Co.

Thomas F. Massaro as assistant professor of nutrition. A.A.S., State U. of New York at Canton; B.S., State U. of New York at Plattsburgh; M.N.S., Ph.D., Cornell U. Formerly research associate, Cornell U.

Yash P. Mehra as assistant professor of economics at University Park. B.A., D.A.V. College, Amritsar, Punjab, India; M.A., Delhi School of Economics, Delhi, India; Ph.D., U. of Minnesota. Formerly assistant professor, Illinois State U.

James L. Monroe as assistant professor of physics at Beaver Campus. B. Arch., Miami U.; B.A., U. of California; M.A., Ph.D., Columbia U. Formerly instructor, State U. of N.Y. at Stony Brook.

John S. Nichols as assistant professor of journalism at University Park. B.A., M.A., U. of Minnesota. Formerly teaching associate and research associate, U. of Minnesota.

Diana M. Papademas as assistant professor of sociology at Shenango Valley. B.A., M.A., Ph.D., Syracuse U. Formerly visiting faculty member, Syracuse U.; director, The Learning Center, Inc., Lebanon, Pa.; core faculty, Goddard College; program director, Tri-County Head Start and Community Action, Berlin, N. H.

Harriet J. Rudolph as assistant professor of speech communication at Hazleton. B.S., M.A., U. of Arkansas; Ph.D., Ohio State U. Formerly instructor, Ohio State U.

WPSX

(Continued from page 5)

recorded at New York's Cloisters Museum. At 9 p.m., Sir Michael Redgrave narrates A Christmas in Wales, the classic story by Dylan Thomas. Actors from the National Theater of the Deaf add scenes from the tale.

Christmas Eve Festivities begin at 8 p.m. with Christmas Around the World, an international celebration featuring a Christmas Eve mass from Bethlehem, the Westminster Abbey Cathedral Choir of London, the Tolz Boys' Choir from the Bavarian village of Bichl, a 17th century musical performance from France, and music from New Zealand, Jamaica, and the United States. At 9 p.m., the focus shifts back to America for an hour of Christmas At Our House with the Shro

Staff Vacancies

All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these vacancies will be received until 5 p.m., Dec. 21.

DD NOT CONTACT THE AREA THAT HAS THE VACANCY.

FINANCIAL AID COUNSELOR (STUDENT AID), STUDENT AFFAIRS — University Park. Responsible to the Director of Student Aid for the management and coordination of the Federal College Work Study Program. A master's degree or equivalent in student personnel services, counselor education or higher education, plus up to one year of directly related experience is required.

ASSISTANT FOOD SUPERVISOR, HOUSING & FDD SERVICE OPERATIONS — University Park. Responsible to Supervisors for all phases of Terrace Room operations. Bachelor's degree in food and nutrition, hotel and restaurant management, institutional management, or equivalent.

RESEARCH AIDE, (DAIRY AND ANIMAL SCIENCE), COLLEGE OF AGRICULTURE — University Park. Collect semen from experienced bulls with artificial vagina according to prescribed procedures. Assemble sterile artificial vaginas for semen collection. Collect and record sexual behavior data and perform other tasks associated with semen collection. Measure and record body weights and measurements weekly and testis measurements quarterly. Summarize and statistically analyze data. Observe animal health and feeding behavior daily. Assist veterinarian in treatment of animals and during experimental surgery. Bachelor of science degree in animal industry, animal or dairy science, or related areas, its equivalent, plus one year of directly related experience with the management and feed of cattle.

EMPLOYMENT SPECIALIST, OFFICE OF PERSONNEL ADMINISTRATION, EMPLOYMENT DIVISION — University Park. Duties include recruitment, interviewing and placement of applicants for employment requiring a wide variety of backgrounds and experiences. Assist in filling job vacancies through internal programs of promotion from within. Assist in determining starting salaries for new employees and salaries for employees promoted. Provide information regarding employment policies, procedures and regulations to applicants, employees and supervisors. Prepare reports and records reflecting the activity of the Division. Assist with special assignments as necessary. Involves interaction with many levels of administrative, academic and professional staff members. Bachelor's degree, or equivalent, preferably in personnel administration or related fields, plus a minimum of two years of directly related administrative experience.



The Tokyo String Quartet

Arts Roundup

Tickets on sale Jan. 5-6 for Tokyo String Quartet

The young and talented Tokyo String Quartet will present the second program of the year on the Artists Series Fine Arts Series with an all-Bethoven program at 8:30 p.m. on Friday, Jan. 6, in Eisenhower Auditorium. They will present quartets Opus 18, No. 1; Opus 59, No. 2; and Opus 132.

Quartet members Kochiro Harada, Kikuei Ikeda, Kazuhide Isomura and Sadao Harada burst onto the musical scene by winning the Coleman String Competition in Pasadena, Cal., in April 1970 and four months later won the famous Munich Competition. During the last two years, the quartet has presented more than 150 concerts in Europe, North America and the Far East.

Tickets for the concert will be on sale only at the HUB Booth Wednesday and Thursday, Jan. 5 and 6, from 9 a.m. to 4 p.m. There will be no tickets on sale at the Eisenhower Auditorium Box Office.

Glee Club, Brass Choral to present joint concert

Two popular University musical groups will combine talents for a joint concert of Christmas music at 3 p.m. on Sunday, Dec. 18, in Eisenhower Auditorium.

Sharing the program will be the Penn State Glee Club, under the direction of Bruce Trinkle, and the Penn State Brass Choral, directed by James Benshoff.

Glee Club offerings will include carols and other Christmas songs spanning a range of several centuries, including two early works, Dufay's "Gloria" and "Hodie Christus natus est" by G. M. Nanino.

Tenor Dean Heblley will be featured in "Bethlehem," a traditional French carol arranged by Robert Barrow. Brahms' "The Hunter" and the Spanish carol, "La Virgen lava panes," will be sung by mezzo-soprano Kathleen Beck. Miss Beck will also perform a solo part in "In the bleak mid-winter."

A tenor trio, made up of Spurgeon Davis, Winthrop Cashdollar and Dean Heblley, will highlight an arrangement of the spiritual "Go Tell It to the Mountain."

The entire Glee Club will be heard again in the "Wassail Song," "Lo, how a rose e'er blooming" and "Good King Wenceslas."

The H.L.-Lo's, a smaller group taken from the Glee Club, will perform four songs from Benjamin Britten's A Ceremony of Carols, Op. 28.

The Brass Choral will follow the Glee Club with five seasonal offerings, including two medleys, Christmas in Brass by David Uber, and Sounds of Christmas, arranged by James Burden.

"Variations on an Advent Hymn," a major work by Fisher Tull, and a Richard Peaslee arrangement of "Deck the Halls" make up the rest of the Brass Choral's program.

The two groups will combine for a Barrow arrangement of the 16th century German carol, "Christ Was Born in Bethlehem" and for another medley that includes many favorite children's songs of the season.

Penn State Intercom



"The Shy People," a collection of 59 color photographs by Rowan P. Smolcha, is on exhibit in the HUB gallery through Jan. 28.

News in Brief

Bulletin board system set up at University Park

Five enclosed outdoor bulletin boards have been set up on the University Park campus and are available for use by registered student organizations and by academic and administrative departments.

Boards are located at the corner of Fraser and Curtin Roads, the corner of Curtin and Shortridge Roads, the bus stop shelter at Parking Lot 80, along Shortridge near Hibbs Hall, along Pollock Road west of Grange Bldg., and at the south entrance to the HUB.

Announcements will be restricted to University-sponsored activities, and display size is limited to a maximum of 14" x 22". Notices will be posted on a first received basis, with last priority given to permanent or long-term service announcements, which will be displayed for no longer than two weeks.

Persons interested in using the bulletin boards should send ten (10) copies of their announcement to Sally Johnston, Room 203 HUB. Further information regarding use of the boards may be obtained by calling 865-2563.

PSU to provide training in Venezuela

University personnel will assist the government of Venezuela in an extensive program designed to provide occupational and vocational training to the working class of Venezuela.

A \$1,034,154 contract, providing more than \$200,000 for each of five years, has been signed by Dr. Homero Parra Bravo, president of The National Institute for Cooperative Education (INCE), which will administer the program. President John W. Oswald and Floyd B. Fischer, vice-president for Continuing Education, signed for the University.

The initial program objectives, Mr. Fischer explains, will include conducting management development programs for INCE staff and teaching INCE personnel how to adapt techniques and procedures used by Penn State in its Continuing Education operations.

It is expected that later phases of the program may involve work in agricultural education, vocational agriculture, and possibly other areas.

Reserve lists due

Reserve reading lists for spring term 1978 should be submitted to the Reserve Reading Room, W11 Pattee, on or before Jan. 26 to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms, which are available by mail or in person from the Reserve Reading Room, W11 Pattee.

Affirmative Action reference data available

The Employment Division has set up a small library of Affirmative Action and Equal Opportunity reference material to assist University personnel who are seeking recruitment and affirmative action information. Such information may prove helpful in ascertaining availability of minorities and women for specific job categories, for example, or in locating recruiting sources in fulfillment of affirmative action, good faith efforts. Some examples of the kinds of data available in the library are:

- (1) A directory for reaching minority groups,
- (2) A directory of resources for affirmative recruitment,
- (3) A handbook for recruiting at the traditionally black colleges,
- (4) A directory of organizations interested in the handicapped.

While the reference material is not available for overnight loan, it may be used in the Employment Division, Room 117 Willard, between 8 a.m. and 12 noon and from 1 p.m. to 5 p.m., Mondays through Fridays.

(Continued on page 2)

Senate to discuss changes in academic drop rules

Proposed changes to the academic drop rules will be the main legislative business to come before the University Faculty Senate when it meets on Tuesday, Jan. 10.

The meeting will be held at 1:10 p.m. in Room 112 Kern Bldg.

According to a report prepared by the Senate Committee on Admissions, Records, and Scheduling, current academic policies recognize three categories of students: degree, nondegree, and provisional.

Degree and provisional students who are dropped from their programs because of poor scholarship may become nondegree students. In addition, students who have been dropped from other institutions for academic reasons may enroll at Penn State as nondegree students.

However, the committee will point out, students must maintain a 2.00 cumulative grade point average in all nondegree courses or be dropped permanently from the University, even if they hold nondegree status for reasons other than poor scholarship.

In its report, the committee isolates three problem areas in the current policy: — Only three groups of students are recognized, but since some students of high academic standing hold nondegree status, a fourth group should be established to account for the two types of nondegree students.

— Nondegree students dropped for poor scholarship can never again take credit courses at the University. Last year, from fall through spring terms, there were 467 students permanently dropped for academic reasons.

— Students may not understand the seriousness of the academic drop action until it is too late.

The committee will recommend

adoption of two proposals. Under the first, the number of student groups would be increased from three to five: degree, provisional, nondegree, probationary, and restricted.

Students who choose nondegree status but had not previously been dropped from other programs would continue to be designated nondegree. Those who had been dropped from other programs would be probationary students, and probationary students who failed to maintain a 2.00 cumulative average would be dropped to the restricted category.

Restricted students would be allowed to register for only one course per term, but both restricted and provisional students could move back up to degree, nondegree, or provisional status by following reinstatement procedures.

Under the second proposal, students dropped from probationary to restricted status would not be allowed to register for course work at the University for at least one year.

The Senate will also hear an informational report identifying primary responsibilities related to research and scholarly activity of groups within the University.

The meeting will conclude with a forensic session on the delegation of responsibility by the Senate to appropriate faculty bodies.

Although the Senate's bylaws provide for delegation of some authority to Colleges, Campuses, and other bodies, it has not been clear in the past what responsibilities could be delegated.

Last summer the Intra-University Relations Committee was asked to provide guidelines and information on the subject, and the forensic session will provide input for that committee's study.

Minorities enrolled have increased from 1,394 to 1,905 during past year

The total number of identified minorities in Penn State's resident instruction program increased to 1,905 last fall from 1,394 in the fall of 1976, according to final fall term enrollment statistics.

The largest gain came in the number of black non-Hispanics, which increased to 1,294 this fall from 963 last year. This fall's total is the highest number of blacks recorded since the fall of 1972 when 1,300 were enrolled. The 1,294 blacks currently enrolled comprise 2.4 percent of the resident instruction population, equal to the 1973 percentage and slightly lower than in 1972, when blacks comprised 2.8 percent of the student population.

This fall's statistics also showed gains in identified American Indians and Alaskan natives (up to 124 from 106), Asian or Pacific Islanders (up to 243 from 134) and Hispanics (up to 244 from 191).

While noting that part of the increase in identified minority students could be due to improved reporting techniques, Thelma Price, assistant vice president for student affairs, said she believes the

increase reflects the success of concerted University efforts to increase minority recruiting and enrollments.

"I believe these statistics reflect the momentum which has been mounting in the past two years in response to the recommendations of the President's Task Force on Increasing Black Student Enrollment," Mrs. Price commented.

Among the efforts initiated by the University have been the opening of Community Centers in Pittsburgh and Philadelphia to facilitate recruitment and admission of regularly admissible black students.

Mrs. Price noted, however, that the increase in black students last fall was accomplished "even though our two Community Centers were not in operation until the late fall of 1976 and the winter of 1977, which is after the peak recruitment season for fall of 1977. Since the centers are in full operation now, I'm optimistic that we'll see continued increases in black enrollment."

Penn Staters

Dr. Robert S. Bond, professor of resource economics at the University of Massachusetts, has been appointed director of the School of Forest Resources and professor of forest science, effective Dec. 15.

He succeeds Dr. Wilber W. Ward, who, after filling the position for 11 years, elected to return full-time to teaching and research.

Dr. Bond, who has served on the Massachusetts faculty since 1956, earlier had spent two years as a forester with the Massachusetts Department of Natural Resources, and two years as a forester in Arkansas with Fordyce Lumber Co.

He is a graduate of the University of Massachusetts with a B.S. in forestry. His M.F. degree was conferred by Yale, and his Ph.D., by SUNY-Syracuse.

In 1961-62, while working for his doctorate, he held a science faculty fellowship of the National Science Foundation.

His most recent research has been concerned with Canadian bonded laborers in New England's logging industry, use and management policies of municipal resources-based lands in Massachusetts, trends in land values, ski area marketing studies and an analysis of campground markets.

Dr. Heinz K. Henisch, professor of physics and of the history of photography, has been awarded a Doctorate of Science by the University of Reading, England, where he obtained his doctor of philosophy degree in 1949. British universities are empowered to confer the Doctorate of Science upon recipients for distinguished post-doctoral research contributions to their field, upon the advice of internal assessors and at least two external examiners from other universities. The University of Reading has conferred fewer than 12 of these degrees.

Dr. Henisch received his degree on the basis of having published three scholarly books and approximately 100 research papers. He also founded and edits *History of Photography*, a research quarterly.

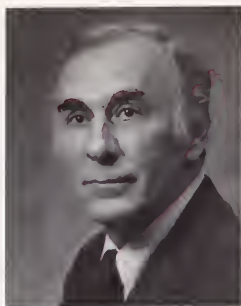
Dr. Cyril Griffith, associate professor of history, served as consulting editor for a special 69-page commemorative issue on black history in Pennsylvania, published by *Pennsylvania Heritage*, the magazine of the Pennsylvania Historical and Museum Commission.

Two staff members have been elected to key positions in the National Association of State Universities and Land-Grant Colleges. **Dr. James M. Beattie**, dean of the College of Agriculture, was elected chairman of the Division of Agriculture. **Floyd B. Fischer**, vice-president for Continuing Education, was elected chairman of the Council on Extension and Continuing Education.

Phyllis Miller, R.N., assistant director of nursing service for staff development at Hershey, has been appointed to a three-year term on the Statewide Health Coordinating Council by Governor Milton Shapp.

Thomas Rogers, professor of English, recently gave readings at the University of New Mexico, the University of Arizona, and Texas A&M.

Dr. Shih-Chuan Chen, professor of humanities and oriental civilization at Capitol Campus, retired Jan. 1 after nine years of service. He had previously taught at the University of Pittsburgh, Seton Hall University, Georgetown Court College and National Central University. While at Capitol, he published a book, *Confucian Analects: A Revised Text and New Commentary*.



Helmut J. Golatz, professor and head of the Department of Labor Studies, is marking his 25th year of service to the University.

Mr. Golatz received both the A.B. and M.A. degrees in history from Temple University. He has done additional graduate work at the University of Pennsylvania and Penn State in economics, industrial relations and higher education.

He taught at Muhlenberg College before joining Penn State in 1952 as an instructor in industrial relations, promoting, planning and conducting programs of short courses, conferences and institutes with labor organizations, as well as teaching undergraduate courses. In 1957 he became assistant professor of industrial relations; in 1959 he was appointed associate professor in the newly created Department of Labor Education, and in 1964 he assumed his present duties.

During his career at Penn State, Mr. Golatz has taught a variety of courses, in addition to organizing and supervising a Statewide labor education program. He has served as consultant to the Steelworkers Legislative Education Committee and has been an officer of the Pennsylvania Federation of Teachers, the Labor Education Section of the Adult Education Association of the United Steelworkers, the Governor's Committee of 100 for Better Education and the National Institute of Labor Education. He has been a member of several ad hoc program evaluation teams and currently is adjunct instructor at the AFL-CIO Labor Studies Center, ad hoc arbitrator for the Pennsylvania Bureau of Mediation and the Pennsylvania Labor Relations Board, and co-chairman of the Legislative Committee of the University and College Labor Education Association.

Mr. Golatz has published numerous technical articles in the field of labor studies and has written, with J. J. Kaufman, the following books and reports: *Chronic Unemployment in Pennsylvania, A Study of Four Areas of Unemployment in Pennsylvania, and Readings in Pennsylvania Economic Growth*. He has edited the *Guide to Pennsylvania Labor Legislation - 1967*.

Dr. George W. Gokel, assistant professor of chemistry, is co-author of the monograph, *Phase Transfer Catalysis in Organic Synthesis*, the first book on this subject. Prof. Gokel spoke on this topic at a colloquium at Syracuse University on Dec. 9.

Dr. Graham B. Spanier, associate professor of human development and sociology, is co-author, with Henry A. Bowman, professor emeritus at the University of Texas, of *Modern Marriage*, 8th edition, published by McGraw Hill. The book is intended for use by undergraduates in courses in marriage.

Dr. James H. Mortensen, assistant professor of agricultural education, was elected secretary of the American Association of Teacher Educators in Agriculture at the association's annual meeting held recently in Atlantic City.

Dr. G. P. Patil, professor of mathematical statistics, spoke in New Delhi last month at the Statistical Ecology Society for Mathematical Statistics and Probability. He also presented invited talks at the University of Warwick, England, and at the University of Parma, Italy.

Dr. Frank Dachille, professor of geochemistry, presented an invited lecture to the Geology Department of Stanford University. The title of his talk was "Large Meteorite Collisions — a Primary Determinant of Geology."

Dr. William E. DeMuth Jr. has been appointed assistant dean for continuing education at Hershey. He will continue to serve as professor of surgery, the post he has held since coming to the Medical Center in 1971.

Robert H. Farson, associate professor of journalism, is the author of a new book about the first public works project ever proposed in the New World. Entitled *The Cape Cod Canal*, it was published this month by Wesleyan University Press in both hardback and paperback editions.

The canal, which joins Buzzards Bay and Cape Cod Bay off the coast of Massachusetts, was completed in 1914, just a few weeks before the opening of the Panama Canal. It was financed by August Ferry Belmont, a vigorous New York millionaire who socialized with Theodore Roosevelt, directed the Metropolitan Museum of Art, and bred thoroughbred horses, the most notable being Man O'War.

Intended to provide a safer route for merchantmen and to offer a means of navigating the U.S. coastline in times of war, the toll canal was a fiscal disaster and, ultimately, was taken over by the federal government. It is operated today by the Army Corps of Engineers as the widest artificial waterway in the world.

News in brief

(Continued from page 1)

International Dinner Jan. 12-13

An International Candlelight Dinner will be held from 4:45 to 7 p.m. Thursday and Friday, Jan. 12-13, at the HUB Terrace Room.

The menu features Shepherd's Pie, Peking Pork, Prime Ribs of Beef, Seafood Marquetry, Chicken Breast Marengo and Wiener Schnitzel — along with appropriate vegetables, salads and desserts. There will also be live entertainment.

Meats Lab opens Friday

Retail sales will resume at the Meats Lab, located across from the open end of Beaver Stadium, on Friday, Jan. 6. The meat is from the University's herds and is slaughtered and cut by students in animal industry classes.

The store carries all the retail cuts of beef, pork and lamb, including steaks, chops, hamburger and sausages, at prices competitive with those in the area. Hours are from 1:30 to 4 p.m. on Fridays, and the store is only open during the academic term. Customers draw a number before shopping, and those with the lowest numbers are waited on first. There is generally a \$50 limit on purchases.

Arts Roundup

Chamber group to play

The Camera Orchestra of Salzburg, on its first United States tour, will present a concert at 8:30 p.m. on Thursday, Jan. 12, in Eisenhower Auditorium. The program is sponsored by the Artists Series.

A chamber ensemble of 21 musicians, the orchestra was founded in 1952 to specialize in Renaissance and Baroque music. It has also incorporated many of Mozart's works into its repertoire.

Thursday evening's program will include Handel's Concerto grosso, Opus 6, No. 6; Double Concerto for Oboe and Violin by Bach; Scarlatti's Symphony No. 6; and Haydn's La Passion Symphony No. 49.

Tickets for the program will go on sale from 9 a.m. to 4 p.m. Tuesday, Jan. 10, and Wednesday, Jan. 11, at the Artists Series HUB Booth.

"Butley" to be shown Jan. 11

The Eight from the American Film Theatre series continues with the screening of Simon Gray's *Butley* at 8 p.m. on Wednesday, Jan. 11, in Eisenhower Auditorium.

The film depicts one harrowing day in the life of Ben Butley, a lecturer in English at a London university. Alan Bates repeats his stage successes in both London and New York as Butley. Supporting roles are performed by Jessica Tandy, Michael Byrne and Richard O'Callaghan.

Tickets will be sold at the door the evening of the screening, beginning at 7:30 p.m. They are \$1.50 apiece.

French films scheduled

france-cinema is sponsoring the first State College showing of Jacques Demy's *Peau d'Ane* (*Donkey Skin*) Friday and Saturday, Jan. 6 and 7, at 7 and 9 p.m. in Room 112 Kern Bldg. Based on the Charles Perrault fairy tale, Demy tells the story of a king (Jean Marais) who promises his dying wife that he'll only remarry if he finds a bride who surpasses her in beauty. His daughter (Catherine Deneuve) turns out to be the only woman who qualifies, which naturally creates a problem. The movie, with music by Michel Legrand,

(Continued on page 3)

Catherine Deneuve stars in "Donkey Skin."



University Park Calendar

Jan. 5-15

Special Events

Thursday, Jan. 5

Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.

FSHA, Ancient Roman dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Friday, Jan. 6

france-cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

Sports: women's basketball, Penn State Invitational, 7 p.m.

Artists Series, Tokyo String Quartet, all-Beethoven program, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 7

Last date for March graduates to deliver doctoral theses to committee.

Shaver's Creek Nature Center, Cross-Country Ski Workshop, 9 a.m.-noon. How Plants Were Named, 8 p.m., Stone Valley.

Sports: women's basketball, Penn State Invitational, 2 p.m.; men's basketball, vs. Duquesne, 7:30 p.m., (EAA game).

france-cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

Sunday, Jan. 8

University Chapel service. Dr. Robert L. Cohn, PSU, 11 a.m., Eisenhower Chapel.

Sports: men's and women's bowling, vs. Drexel, 1 p.m.

Shaver's Creek Nature Center, Winter Discovery Walk, 2 p.m., Stone Valley.

france-cinema, *Truffaut, Day for Night*, 7 and 9 p.m., Room 112 Kern.

Monday, Jan. 9

Shakespeare film, *Macbeth* (Evans/Schaefer), 6:30 p.m., Room 1001 Chambers.

france-cinema, *Day for Night*, 7 and 9 p.m., Room 112 Kern.

Comp. Lit. film series, Kenneth Clark, "Civilization, The Hero as Artist," 8 p.m., Room 112 Kern.

Robert Trehy, baritone, all Schubert recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 10

Fixed date for meetings involving Commonwealth Campus faculty.

University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Robert Hume, English, on "The Coke Papers: New Light on the Introduction of Italian Opera to England."

FSHA, Ancient Greek dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Shakespeare film, *Macbeth* (Wells), 6:30 p.m., Room 1001 Chambers.

ERM Club, Earl Mallick, vice-president, U.S. Steel, on "U.S. Steel Corporation and the Environment," 7:30 p.m., Room 301 Ag. Admin. Bldg.

English colloquium, Robert N. Hudspeth, PSU, on "Margaret Fuller: An American Life," 8 p.m., Room 1001 Kern.

Wednesday, Jan. 11

Commonsplace Theatre, *Harold and Maude*, 7:30 and 9:30 p.m., Room 112 Kern.

Sports: men's basketball, vs. Syracuse, 7:30 p.m.

Artists Series Film Festival, American Film Theatre, *Butley*, 8 p.m., Eisenhower Auditorium.

Alard String Quartet, all-Beethoven program, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 12

International Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

FSHA, Ancient Spanish dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Comp. Lit. film series, *Nahami*, Japanese with English subtitles, 7 and 9 p.m., Room 112 Kern.

Sports: wrestling, vs. Oklahoma, 7:30 p.m.

Artists Series, Orchestra Camerata of Salzburg, 8:30 p.m., Eisenhower Auditorium.

Friday, Jan. 13

Board of Trustees meeting, Room 402 Keller.

International Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

Hill films, *Harold and Maude* and *Star Trek Bloopers*, 7 p.m., HUB assembly hall.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Shaver's Creek Nature Center, Owl Prowl, 8 p.m., Stone Valley.

Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, Jan. 14

Last date for final oral doctoral examinations for March graduates.

Last date for March graduates to deliver master's theses or papers to adviser.

Faculty of Trustees meeting, Room 402 Keller.

Faculty Women's Club, Mid-Winter Coffee, exhibit of handwork done by members, 11:30 a.m.-a.m., Faculty Club.

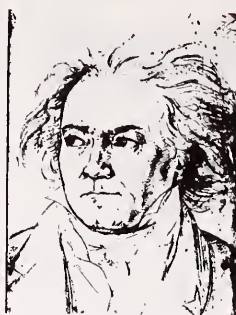
Sports: men's and women's bowling, vs. Penn State Capital, 1 p.m.; wrestling, vs. Cleveland State, 2 p.m. (EJWL meet).

Shaver's Creek Nature Center, Children's Story Hour, 2 p.m., Stone Valley.

Hill films, *Harold and Maude* and *Star Trek Bloopers*, 7 p.m., HUB assembly hall.

Sunday, Jan. 15

University Chapel service. Dr. David Shannon, Pittsburgh Theological Seminary, Martin



Luther King, Jr. Service, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Ice Fishing and Fly Tying, 2 p.m., Stone Valley.

france-cinema, *Tabi, Playtime*, 7 and 9 p.m., Room 112 Kern.

Hill films, *Harold and Maude* and *Star Trek Bloopers*, 7 p.m., HUB assembly hall.

Seminars

Monday, Jan. 9

Biochemistry and Biophysics, J. A. McCammon, Harvard University, on "Large Scale Solvent Damped Motions of Proteins," 3:55 p.m., Room 101 Althouse.

Computation Center, "RJE," (4 of 5), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.

Tuesday, Jan. 10

Applied Science, J. C. Johnson, PSU, on "Noise in Ships," 10:45 a.m., Walker conference room, Applied Science Bldg.

Biochemistry and Biophysics, J. A. McCammon, Harvard University, on "Internal Dynamics of Proteins," 11:10 a.m., Room 101 Althouse.

Food Science, Joseph Salji on "Development of Bitter Flavor in Cheddar Cheese," 11:10 a.m., Room 201 Borland.

Computer Science/Computation Center, Charles Forney, PSU, on "Contrasts Between MVT and MVS," 1 p.m., Room 325 Whitmore.

Water Pollution Control, James E. Erb, Bureau of Water Quality Management, DER, Harrisburg, on "Municipal Wasteload Management in Pennsylvania," 2:20 p.m., Room 128 Sackett.

Population Issues Research Office, Charles B.

Keely, Fordham University, on "U.S. Immigration Policy and Its Demographic Effects," 2:30 p.m., Room 158 Willard.

Genetics, Stephen Hanson, PSU, on "Mutation Breeding in *St. Paulia*," 3:55 p.m., Room S2 Fear.

Plant Pathology, Stylianos Tavantzis on "Recognition Specificity in Plant-Parasite Systems - An Introduction to Disease Defense Elicitors," 3:55 p.m., Room 213 Buckhout.

Wednesday, Jan. 11

Fuel Science, Philip Goldberg on "Use of the Stirred Reactor for the Study of Coal Dust Explosion Flames," 4 p.m., Room 301 Mineral Industries.

Thursday, Jan. 12

Chemistry, R. F. Porter, Cornell University, on "Reactions of Metal Atoms with Proton Donors," 12:45 p.m., Room 333 Whitmore.

Physics, R. J. Donnelly, University of Oregon, on "Turbulence," 3:50 p.m., Room 117 Osmond.

Agronomy, Nate Hartwig, PSU, on "Effect of Soil pH on Triazine Herbicide Activity and Resulting Quackgrass and Fall Pannum Control," 3:55 p.m., Room 111 Tyson.

Philosophy, Joseph Kockelmans, PSU, on "Some Reflections on Categories," 4 p.m., Room 101 Kern.

Computation Center, "RJE," (5 of 5), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.

Exhibits

Anthropology Museum: open Tuesday, 9 a.m.-noon; Wednesday and Thursday, noon-5 p.m.

Chambers Gallery: Molly Terrill, paintings on paper, and PSU undergraduate and graduate art students, glass, both open Jan. 9.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., and by appointment. Mineral Industries Bldg.

Frost Entomological Museum: open weekdays, 9 a.m.-noon and 1-4:30 p.m., Room 102 Patterson. Architecture of insects and related arthropods.

HUB Gallery: Rowan P. Smolcha, The Shy People, photographs.

Kern Commons Gallery: Mary Cady Rubenstein, prints, and Lord Baldwin and Java Telaki, photographs, both through Jan. 14.

Central Pa. Scholastic Art Awards, opens Jan. 8.

Museum of Art: open Tuesday-Sunday, noon-5 p.m., Tours, 2:30 p.m., Sunday, The First Five Years, anniversary show of selections from the permanent collection, opens Jan. 8.

WPSX Highlights

The major battles of World War II, as experienced by soldiers who fought on both sides, are documented on *Battle Line*, a 13-week series beginning Friday, Jan. 13, at 9 p.m. Written and introduced by Jim Bishop, the series uses archive film to show how the war was perceived and experienced by both sides. *Battle Line* begins with the German invasion of Poland, in which the blitzkrieg was used for the first time.

The accomplishments and influence of the late Louis S. B. Leakey, an anthropologist and archaeologist, are surveyed on "The Legacy of L. S. B. Leakey," a National Geographic Special to be seen Monday, Jan. 9, at 8 p.m. The hour-long documentary shows Leakey at work in Tanzania's Olduvai Gorge, where he and his wife discovered *Zinjanthropus*—fossil remains of a hominid dating back 1.75 million years. In other segments, Jane Goodall and other scientists who were inspired and supported by Leakey, discuss the implications of his work. The program can also be seen Sunday, Jan. 15, at noon.

Walter H. Walters, dean of the College of

Arts and Architecture, discusses the problems of funding the arts on *Talkabout* Tuesday, Jan. 10, at 7:30 p.m. Also appearing on the program is Douglas Cook, head of the Department of Theatre and Film, who reports on an exhibit of contemporary stage design recently on view at Penn State. *Talkabout* may also be seen Saturday, Jan. 14, at 6:30 p.m.

The Ascend of Mount Fuji, a contemporary Russian play that was a controversial success when it premiered in the Soviet Union, has its American television debut on Hollywood Television Theatre

Tuesday, Jan. 10, at 8 p.m. Joseph Campanelle and Jeanette Nolan star in the drama, which focuses on a group of friends whose reunion is dominated by memories of a missing comrade—a poet who has been arrested as a subversive. The drama may also be seen Saturday, Jan. 14, at 3 p.m.

The unusual powers of plants are examined on "The Green Machine," a Nova documentary to be seen Wednesday, Jan. 11, at 8 p.m. The hour-long program describes such feats as the ability of plants to make food from solar power and the natural plumbing system that allows some trees to pump nutrients 300 feet into the air. It also views

Arts roundup

(Continued from page 2)

also stars Jacques Perrin and Delphine Seyrig.

Monday and Tuesday, Jan. 8 and 9, france-cinema will offer Francois

Truffaut's ode to the passing of the French studio film system, *Day for Night*. It will be shown at 7 and 9 p.m. in Room 112 Kern.

Alard presenting all-Beethoven program

The Alard Quartet will present its third concert of the season at 8:30 p.m. Jan. 11 in the Music Bldg. recital hall.

The quartet has chosen an all-Beethoven program for the Wednesday evening concert and will perform Opus 18, No. 4; Opus 95; and Opus 127.

Violinist Joanne Zagst explains that the Alard's decision to devote this program, and its remaining performances of the current concert season, exclusively to Beethoven's works was based on the University's Artists Series' booking of all-Beethoven programs by the Vermeer, Tokyo and Cleveland Quartets.

"These will give area audiences an

opportunity to hear in one season virtually all the Beethoven string quartets," Ms. Zagst says.

Other quartet members are Donald Hopkins, violinist; Raymond Page, violist; and Leonard Feldman, cellist.

Trehy to offer Schubert songs

The second in a three-part series of Schubert songs will be offered by baritone Robert Trehy at 8:30 p.m. on Monday, Jan. 9, in the Music Bldg. recital hall.

He will be accompanied by the well-known pianist John Wustman in a program commemorating the 150th anniversary of the composer's death.

In this recital, Mr. Trehy will perform the *Winterreise* or "Winter Journey," a cycle consisting of 24 songs. The text for the cycle is taken from the poetry of Wilhelm Muller.

"*Winterreise* is considered to be one of the greatest song cycles ever written," Mr. Trehy explains.

Mr. Wustman, whose appearance with Mr. Trehy is supported by a grant from the Institute for the Arts and Humanistic Studies, is a professor of music at the University of Illinois.

Implementation of The Copyright Act of 1976 on January 1, 1978, has created the need for interim actions by the University and its authors to clarify copyright ownership of journal articles.

The Copyright Act of 1976 became effective on January 1, 1978. Many of the provisions of this statute will affect the University community. The interim procedure set forth below will be effective only until a revision of the University Copyright Policy has been completed and implemented by the University's Board of Trustees.

The University has had an established University Copyright Policy which has provided that all works categorized as "scholarly"—including all works created by University authors either on their own initiative or as an assigned

Another aspect of the new copyright act is its impact on the photocopying of materials for classrooms. The University and the Faculty Senate Committee on Libraries are developing information on this subject to communicate to the faculty in the near future.

University duty without the execution of a written Agreement prior to the creation of the work—shall belong to the authors. The Copyright Act of 1976 provides that the ownership of the copyright in a work prepared by an employee within the scope of his or her employment belongs to the employer unless a written instrument is signed by both the employee and the employer, setting forth that the parties have expressly agreed otherwise. To enable University authors to continue to own any right in their works which are created within their "scope of employment", a written instrument must be signed by each faculty member. Specific sections of the Copyright Act of 1976 and their relationship to University authors and their copyrightable works are set forth below:

IMMEDIATE STATUTORY FEDERAL

COPYRIGHT—The Copyright Act of 1976 preempts the state common law with respect to copyright and provides for the first time immediate statutory federal copyright protection for the author of a work from the instant the work is fixed in any tangible medium of expression (before publication).

WORKS MADE FOR HIRE—A significant limitation concerning copyright ownership is set forth with respect to works created by employees in 17 USC 201:

—(b) **Work Made for Hire**—In the case of a work made for hire, the employer—
is considered the author for purposes of this title, and, unless the parties have expressly agreed otherwise in a written instrument signed by them, owns all of the rights comprised in the copyright.

DEFINITION OF WORK MADE FOR HIRE—The definition of the term "work made for hire" is set forth in 17 USC 101:

- (A) "work made for hire" is—
1) a work prepared by an employee within the scope of his or her employment; or
2) a work specially ordered or commissioned for use as a contribution to a collective work, as a part of a motion picture or other audiovisual work, as a translation, as a supplementary work, as a compilation, as an instructional text, as a test, as an answer material for a test, or as an atlas, if the parties expressly agree in a written instrument signed by them that the work shall be considered a work made for hire. For the purpose of the foregoing sentence, a "supplementary work" is a work prepared for publication as a secondary adjunct to a work by another author for the purpose of introducing, concluding, illustrating, explaining, revising, commenting upon, or assisting in the use of other work, such as forewords, afterwords, pictorial illustrations, maps, charts, tables, editorial notes, musical arrangements, answer material for tests, bibliographies, appendices, and indexes, and an "instructional text" is a literary, pictorial, or graphic work prepared for publication and with the purpose of use in systematic instructional activities.

CONTRIBUTIONS TO COLLECTIVE WORKS—Further, the Copyright Act of 1976 has a separate provision for "Contributions to Collective Works", 17 USC 201(c):
—Copyright in each separate contribution to a collective work is distinct from

copyright in the collective work as a whole, and vests initially in the author of the contribution. In the absence of an express transfer of the copyright or of any rights under it, the owner of copyright in the collective work is presumed to have acquired only the privilege of reproducing and distributing the contribution as part of that particular collective work, any revision of that collective work, and any later collective work in the same series.

TRANSFERS—Further, the transfer of copyright ownership is formalized in 17 USC 204:

—(a) A transfer of copyright ownership—
is not valid unless an instrument of conveyance, or a note or memorandum of the transfer is in writing and signed by the owner of the rights conveyed or such owner's duly authorized agent.

Since the University desires to continue the present University Copyright Policy with respect to "Contributions to Collective Works" created by University authors, such as journal articles, and since many of these works are prepared within the scope of employment, clear title to the copyright will not be transferred to the University unless a written instrument is signed by the University and the author. Until the existing University Copyright Policy can be revised in light of the new Act, the University upon request will provide and execute the necessary written instrument covering contributions to collective works for any faculty member. A sample copy of this Interim Written Instrument Covering Contributions to Collective Works is set forth below.

"INTERIM WRITTEN INSTRUMENT COVERING CONTRIBUTIONS TO COLLECTIVE WORKS [In Compliance with the Copyright Act of 1976, 17 USC 201.(b)]"

This instrument executed this _____ day of _____, 19____, by and between

hereinafter called **AUTHOR**, and **THE PENNSYLVANIA STATE UNIVERSITY, University Park, Pennsylvania** (hereinafter called **UNIVERSITY**).

Recitals

- (1) Prior to the Copyright Act of 1976, UNIVERSITY had an established University Copyright Policy which provided that all works categorized as "scholarly" including all works created by University authors either on their own initiative or as an assigned University duty without the execution of a written Agreement prior to the creation of the work—shall belong to the authors.
- (2) The Copyright Act of 1976 provides that the ownership of the copyright in a work prepared by an employee "within the scope of his or her employment" belongs to the employer unless a written instrument is signed by both the employee and the employer, setting forth that the parties have expressly agreed otherwise.
- (3) UNIVERSITY desires to maintain the relationship set forth in Recital (1) above with respect to contributions to collective works, and to comply with said Act.
- (4) **AUTHOR** desires to execute this Interim Written Instrument Covering Contributions to Collective Works in compliance with the provisions of said Act referenced in Recital (2) above.
- (5) **AUTHOR** desires to own the copyright in all of his or her contributions to collective works and to comply with said Act.

Agreement

IT IS THEREFORE AGREED AS FOLLOWS:

The copyright in copyrightable works fixed in a tangible medium of expression on or after January 1, 1978, and classified by the "Copyright Act of 1976" as "Contributions to Collective Works" created by **AUTHOR** (a) categorized by University Copyright Policy as "scholarly", or (b) categorized as "sponsored", but which are created as "scholarly" under University Copyright Policy, shall belong entirely to the **AUTHOR**.

This Interim Written Instrument Covering Contributions to Collective Works shall remain effective until such time as UNIVERSITY's Board of Trustees adopts a new University Copyright Policy.

IN WITNESS WHEREOF, and intending to be legally bound hereby, the parties have hereunto set their hands and seals the day and first written above.

Signed in the Presence of:

THE PENNSYLVANIA STATE UNIVERSITY

By: _____

Title: _____

AUTHOR

"Within the scope of employment is understood to mean "in the course of assigned University duties".

"This Interim Written Instrument Covering Contributions to Collective Works covers only a restricted category of creative works, and:

- (1) Does not cover the ownership of copyright in works by authors which are created "outside the scope of employment", which belong entirely to the authors;
- (2) Does not cover the ownership of copyright in works by authors which are created "within the scope of employment", unless they are contributions to a "collective work", i.e., does not cover books, audio-visual materials, computer programs, etc.; and
- (3) Does cover the ownership of copyright in works by authors which are created "within the scope of employment", and which are contributions to a "collective work" as defined in the "Copyright Act of 1976" to include "a periodical issue, anthology, or encyclopedia", i.e., scholarly journals.

JOURNAL ARTICLE COPYRIGHT TRANSFER FORMS—The first contact with the Copyright Act of 1976 for most faculty authors will be the execution of new forms which are required by scholarly journals before publication of contributions to faculty authors by the journals are to be executed by (a) faculty authors as

individuals; or (b) an authorized University representative; or in some cases, (c) both of the above.

In order to comply with this Act, for works fixed in a tangible medium of expression on or after January 1, 1978, the following types of works will require the execution of "Copyright clearance and transfer forms" as follows:

- (1) The forms covering works classified as scholarly under the University Copyright Policy which have been (a) created outside the scope of employment or (b) created within the scope of employment after the signing of an Interim Written Instrument Covering Contributions to Collective Works (as set forth above) should be signed by faculty authors.
 - (2) The forms covering works classified as scholarly under the University Copyright Policy which have been created within the scope of employment before the signing of an Interim Written Instrument Covering Contributions to Collective Works should be signed by an authorized University representative.
 - (3) The forms covering works covered by a standard or modified Contributed or Compulsory Copyright Agreement between the authors and the University should be signed by an authorized University representative.
- The Dean or Administrative Officer is the authorized University representative for these forms.

Where the work classified as scholarly was first fixed in a tangible medium of expression prior to January 1, 1978, the forms should be signed by faculty authors.

ing the right for the authors and their employing organization to make reproductions "not-for-sale"; and
(b) a second, and "special handling" type, requiring that the authors place "their own copyright notice and limited release to the journal" on the first page of their contribution, thereby preserving their individual copyright for later disposition and permitting the journal to "publish in all forms", but by their "prior consent", rather than as owner of the copyright.

Faculty authors must determine whether their contributions require "special handling". The ownership of the copyright may subject the authors to repeated requests for copies and permissions.

WRITTEN INSTRUMENT AVAILABILITY—Deans and Administrative Officers will provide Interim Written Instruments Covering Contributions to Collective Works to faculty and staff upon request. The Office of the University Provost will provide for execution of Interim Written Instruments Covering Contributions to Collective Works on behalf of the University after execution by authors.

REVISION OF UNIVERSITY COPYRIGHT POLICY—The University is preparing revisions required by the Copyright Act of 1976 to University Copyright Policy, University Copyright Procedure, and University Copyright Agreement Forms. The objectives in these revision are: (a) to preserve the authors' rights to their own scholarly works as has been the case in the past, (b) to accommodate the 1976 Law with as little change and form signing as practical, and (c) to protect the faculty and the University from the undesirable consequences of conflict between the 1976 Law and the present University Copyright Policy. These revisions will be reviewed by appropriate representatives of the faculty and University administrators and will become effective when approved by the University Board of Trustees.

Dr. Robert F. Custard, University patent counsel, (865-1765) will assist faculty and staff who have University-related copyright problems concerning the implementation of the Copyright Act of 1976.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, or those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotional may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Jan. 12. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

RESEARCH AIDE, POULTRY SCIENCE, UNIVERSITY PARK—Perform chemical analysis for various mineral elements in sewage sludge, plant and animal tissues. Perform biochemical analysis for various animal tissue, tissue fraction and body fluids. Collect tissues and body fluids and properly prepare for analysis. Summarize and report the results obtained. Bachelor of science degree in science, preferably in chemistry or biochemistry, plus 6-12 months of directly related experience is required.

AUDITOR, CONTROLLER'S OFFICE, UNIVERSITY PARK—Responsible to the Audit Manager for performing audits to appraise: extent of compliance with University policies and procedures, adequacy and reliability of records and management information reports, soundness and adequacy of accounts, financial, and other operating controls, and safeguarding of assets within any of the diverse operating, financial and administrative functions or organizations of the University as directed by and under the general supervision of the Audit Manager. Bachelor's degree (or equivalent) in accounting or related field plus 12 to 18 months of directly related experience.

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Penn State Intercom



"Lotus" by the 17th century Chinese painter Chu Ta.

Museum show highlights acquisitions

"The First Five Years," an exhibition of works from the permanent collection of the Museum of Art, will be featured at the Museum during January and February. The exhibition will highlight works acquired by the Museum since its opening in the fall of 1972, including some recent major gifts that have not previously been shown. Among these are "Bathers in a Cove, Maine," an oil by the American painter Maurice Prendergast, a gift to the University from the painter's

sister-in-law, Eugenie Prendergast, and a massive Buddha Head dating from the Liao dynasty of China, a gift from Dr. Ralph C. Marcove, a prominent collector of Chinese art. "The First Five Years" will occupy the whole of the Museum, with one gallery devoted to oriental art, another to European pieces and the third to American art, all from the permanent collection.

News in Brief

Calendar information available by phone

A University Park daily calendar of events will be available by dialing 863-1100 after Jan. 15. This new calendar, a part of the University TIPS (telephone information programs), can be heard around the clock. Any events of general interest to be included in the calendar may be sent to Lee Morrill, calendar editor, Room 312 Old Main, or telephoned to 865-2501.

Black Studies seeking academic director

The University is seeking an academic director for its Black Studies Program, effective July 1, 1978. The Black Studies Program is an important intercollege academic program within the University. The director must be highly qualified academically and have a regular, standing faculty appointment with a department. This normally requires a doctorate, teaching experience and research publications. In addition, the director should have a strong interest in continuing the development of a sound academic program in Black Studies and should have academic administrative skills. Nominations and applications with current resumes and academic references should be sent by Feb. 2 to The University Black Studies Director Search Committee, Box 908, Room 117 Old Main, The

Pennsylvania State University, University Park, PA 16802.

Trustees meeting Jan. 13-14

The Board of Trustees has scheduled the following meetings which are open to the public. They will be held in Room 403, J. Orvis Keller Bldg. Friday, Jan. 13 1:30 p.m. — Committee on Educational Policy. 3:15 p.m. — Committee on Physical Plant. Saturday, Jan. 14 9:30 a.m. — Committee on Finance. 10:30 a.m. — Board of Trustees.

University Council asked to help revise policy plan

University Council will be one of the groups asked to play an active role in constructing an agenda for a Presidential Commission to revise and update the University's academic policy plan, Provost Edward D. Eddy told Council at its Jan. 5 meeting. The current plan was approved by the Trustees in 1972, and enrollment information was updated in 1974. It is expected that a commission will be appointed by April, and the target date for presentation of the new plan to the Trustees is September 1979.

Martin Luther King Jr. memorial events Jan. 14-15

A special interdenominational service in memory of the Rev. Martin Luther King Jr. (Continued on page 4)

Bartoo discusses graduate education

The Graduate Council's program review effort has been its major contribution to the well-being of the entire University, Graduate School Dean James B. Bartoo told the University Faculty Senate in a recent talk on the Graduate School. Dean Bartoo pointed out that by next summer a five-year cycle of program review will have been completed for the University's 128 graduate programs, and the remaining reports will be presented to the Graduate Council for action sometime in 1978. He also observed in passing that program review is an open process and that the reports are accessible to faculty for study. "The process of program review, which has been fundamentally a peer review process, has shown itself an effective means of quality assurance in our graduate programs . . .," Dean Bartoo said. " . . . it has not resulted, as many people initially thought, in some dramatic discontinuation of graduate programs. . . ." "The positive benefits," Dean Bartoo continued, "have been that in the overwhelming majority of cases, reviewed programs have responded to the recommendations of evaluating teams by taking steps to implement many of those recommendations. . . ." Dean Bartoo also discussed several issues which he believes the Graduate Council will need to address. Among these is the question of what form program review should take in the future and also the question of whether the

Graduate School should offer an extended graduate degree for qualified persons with an interest in professional education. "In this area, one response might be an extended master's degree in professional studies," he said. "I personally have some reservations about an extended doctorate. There are several available models for this in the country, including some poor ones. If we were to offer an extended doctoral degree, one model that might be investigated is the one used by the University of London, which has had about 50 years' experience in offering this extended degree." Another issue, this one of common concern to the Graduate Council and the Senate, is that of offering 400-level courses for graduate credit. "There seems to be a growing feeling that 400-level courses are graduate courses," Dean Bartoo explained. "The Graduate School makes the distinction that they are undergraduate courses made available to graduate students to remedy deficiencies in their preparation for graduate work or to provide entry into 500-level courses." Dr. Bartoo also dealt with the issue of the meaning of membership in the graduate faculty, observing that some faculty seem to perceive this membership as "an honorary concept." "I'd like to make it clear that we do not consider this membership as an award. Membership in the graduate faculty is a functional concept," he stressed. "People are recommended, or not recommended, (Continued on page 4)

Penn Staters



Dr. Eugene S. Lindstrom, a specialist in bacteriology and formerly associate dean for resident instruction, College of Science, has been appointed head of the Department of Biology.

Dr. Lindstrom, who is marking his 25th year of service to Penn State, came to the University as an assistant professor in 1952 after a year as an Atomic Energy Commission postdoctoral fellow in enzyme chemistry at the Institute for Enzyme Research at the University of Wisconsin. In 1957, he was promoted to associate professor and in 1964 to professor. In 1960, he went on leave to the University of Minnesota, where he was a National Science Foundation senior postdoctoral fellow. He was named an assistant dean of the College of Science in 1966 and became an associate dean in 1970.

His research interests include bacterial photosynthesis, bacterial nitrogen fixation, and aquatic microbiology; and he is a Fellow of the American Academy of Microbiology.

A native of Ames, Iowa, Dr. Lindstrom earned all three of his advanced degrees in bacteriology at the University of Wisconsin, Madison.

Dr. Norman Freed, associate professor of physics, has been appointed assistant dean for resident instruction in the College of Science.

Dr. Freed joined the Penn State faculty in 1965, having previously served as a Ford Foundation Fellow at the Bohr Institute, Copenhagen, Denmark; a Nordita Fellow at the Institute of Theoretical Physics, University of Lund, Sweden; and as a research associate at the University of Nebraska.

Currently, he is an adjunct professor at the University of Lund. He has also held guest appointments at the University of Helsinki, Finland; the Center for Nuclear Studies of the French Atomic Energy Commission at Saclay, Paris, France; the Institute for Nuclear Sciences at the University of Grenoble, France; and the University of Paris, Orsay, France.

A specialist in theoretical nuclear physics, Dr. Freed is also a member of an external scientific advisory committee for the Bates Linear Accelerator at the Massachusetts Institute of Technology.

Dr. Freed earned his B.S. degree at Antioch College and M.S. and Ph.D. degrees at Western Reserve University.

Dr. David B. Geselowitz, professor and head of bioengineering, has been elected a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) "for contributions to the application of electromagnetic theory in electrocardiography".

Dr. Thomas M. Seebohm, professor of philosophy, is the author of a new book, *Ratio Undi Chasmas: Ansätze und Ausbildung einer philosophischen und wissenschaftlichen Weltverständnis im Moskau Russland*. The publisher is Bouvier Verlag of Bonn.

Medieval Islamic and Hebrew scientific and philosophical literature which was translated in 15th century Kiev had a

profound influence on the struggle between the Judaizers and Orthodoxy in Muscovite Russia, and the book is the first analysis to be based on the philosophical positions in those translations and in Orthodox patristic literature.

Dr. Seebohm concludes that the heretical movement of the Judaizers, and the Orthodox Church's reaction to it, cannot be understood unless the philosophically relevant aspects are taken into account.

Dr. Louis C. Perez, professor of Spanish, is the author of a book, *La apologia en defensa de las comidias que se representan en España de Francisco Ortiz*, published recently by the University of North Carolina Press as part of its *Estudios de Hispanofilia* series.

The book is a study of a manuscript of previously unknown authorship which defends the theatre in seventeenth-century Spain. Never before edited or published, the manuscript was found in the National Library in Madrid.

Dr. Perez identifies the author as Francisco Ortiz Lucio, a Franciscan friar, and then goes on to demonstrate the importance of Ortiz's courageous defense of the theatre, which had come under attack for its bad influence on audiences. The entire text of Ortiz's treatise, transcribed by Dr. Perez from the original manuscript, is included in the book, with detailed notes and an index.

William E. Sharpe, instructor in Forest Resources Extension and associate of the Institute for Research on Land and Water Resources, has been named to a 14-member Review Panel to consider water research policy options for President Carter.

Theatre World Publishing Company has accepted for publication a new one-act play by **Dr. Lillian E. Preston**, associate professor of speech communication. *Last Weekend at High Ridge*, a comedy, will be available for production in the company's 1978 catalogue of plays. It is Dr. Preston's 15th published play.

Dr. Manfred Kroger, associate professor of food science, recently lectured on the "Pros and Cons, Costs and Benefits of Food Additives" at Temple University, at the invitation of the health education department, and at Trenton State College, at the invitation of the department of health and physical education.

Appointments

Joseph N. Fady as assistant professor of mathematics at Wilkes-Barre, B.A., M.S., Ph.D., Lehigh U. Formerly lecturer, Berks Campus; instructor, LaSalle College.

Steven F. Fenwick as assistant professor of film at University Park, A.B., Princeton U.; M.A., Cornell U.; Ph.D. expected in January from U. of Michigan. Formerly instructor, Harvard U.

Margaret R. Fete as assistant professor of arts and humanities at Behrend College, B.A., U. of Colorado; M.A.T., Wesleyan U.; M.A., Middlebury College; Ph.D., Ohio State U. Formerly instructor, Ohio Wesleyan U.

Greg N. Frederickson as assistant professor of computer science, A.B., Harvard U.; M.S., Ph.D., U. of Maryland. Formerly instructor, U. of Maryland.

Peter M. Jogo as assistant professor of art at University Park, B.A., M.A.,

SUNY-Albany; M.F.A., Cornell U. Formerly assistant professor, Kalamazoo College.

Thomas M. Kando as associate professor of recreation and parks at University Park, B.S., U. of Amsterdam; M.A., Ph.D., U. of Minnesota. Formerly assistant professor, UC-Riverside; associate professor, California State U.

Joel M. Lee as assistant professor of health planning and administration at University Park, B.S., Southern Illinois U.; M.P.H., U. of Texas; doctoral candidate, U. of Texas.

Beth R. Molomon as assistant professor of human nutrition, Extension specialist, at University Park, B.S., U. of Michigan; M.S., Ph.D., Kansas State U.

Joan M. Rinehart as associate professor of nursing at University Park, B.S.N., U. of Virginia; M.S.N., Catholic U. of America; Ph.D., U. of Maryland. Formerly assistant professor, Catholic U.; associate professor, West Virginia U.

William G. Skillen as instructor in mining engineering at Altoona, B.S., PSU. Formerly sales representative, Quaker Sales Corp., Johnston.

Martha L. Starling as instructor of human development at University Park, B.S., Kansas State U.; M.S., Ph.D., Penn State.

David A. Stern as assistant professor of theatre arts at University Park, B.F.A., U. of Connecticut; M.A., Ph.D., Temple U. Formerly assistant professor, Wichita State U.

Elizabeth J. Susman as assistant professor of nursing at University Park, B.S., Ph.D., PSU. Formerly NIH Visiting Fellow; psychiatric nurse.

Interdisciplinary cross-checking is a necessity

Editor's note: This is the third in a series of articles about interdisciplinary education. The author is professor emeritus of sociology.

The thesis of this essay is that any single one of the social "sciences", psychology and sociology and the rest, cannot validly develop in scope and depth within each discipline itself. The physical sciences have been practicing such cross-borrowing in their development without too much fuss; so has psychology, especially in the case of sensory processes (e.g., psychophysics in the study of vision and audition, psycho-chemistry of stimulus correlates in the study of olfaction and gustation; and borrowing so much from physiology about the neuro-muscular system). It is the immature ethnocentrism of social disciplines that is responsible for the debate about cross borrowing, which is a fully contemporary. The failures of cross-disciplinary scientific projects and enterprises for grappling with urgent matters (like intergroup problems) are due to the ill-conceived and incorrect applications of these undertakings. The major Do's and Don'ts for the effective application of interdisciplinary borrowing and cross-validation of realistic hypotheses, and generalizations will be presented in a capsule form in a special section at the end.

The necessity of interdisciplinary coordination in the social disciplines is not diminishing, in spite of the feverishly thriving comings and goings, and the research and publication boom of unprecedented proportions. In fact, this necessity is being acutely accentuated because of the unsettling crisis that is mounting seriously in the social sciences proportional to the research and publication boom — and ironically because of it! I shall attempt to illustrate. Irreconcilable controversies are raging over the fundamentals without which a discipline can only shoot erratically in all directions. The fundamentals over which irreconcilable controversies rage include even the very conception of the nature of

the human psychological system. Especially, what makes humans tick? That is the basis of their very motivation. Their unsettled fundamentals include the very nature of the human social system.

In view of this crisis situation and the impasse the social disciplines have gotten themselves locked into, it is highly unrealistic even to approach the staggering problem of their coordination without a sober recognition of the prevailing crisis; without at least an elemental conception of its nature; without taking due note of the fact that the causes of the crisis lie outside the traditional ivory covered walls of academia; without sufficient realization that the causes lie in the hitherto unprecedented changes and upheavals that have been taking place all over the world not excluding the United States, as duly underscored by so many analysts within and outside academia. Therefore, the most sensible thing one can do within the limits of this one shot essay is to concentrate on the crisis in which the social disciplines are engulfed. Even such a quick analysis of the crisis situation may be helpful in pointing to some practical Do's and Don'ts to be observed for coordinating social disciplines. Such a coordination is essential for the shaping of a commonly shared paradigm, on whose validated grounds each discipline can develop without the monopolistic claims of the single disciplines and leading factions therein.

Some specific steps that will be referred to briefly in this essay towards coordinating social disciplines will be expanded in a long chapter being prepared for publication in the near future. The chapter will be an expansion and documentation of the paper written, and first published in Japanese upon the joint invitation of Professor Tsujimura, chairman of the Social Psychology Department of Tokyo University, and Professor Yasubei Oguchi, professor of engineering, both officers of Honda Memorial Foundation. I am not bringing in the names of the colleagues in vain in the way of dropping names. The implied

point here is very much related to the task assigned to me in this one shot symposium. The Honda Foundation sponsors and funds International Association of Traffic and Safety Sciences — a very much down to earth vital area for humans all over — Tokyo, New York, Shanghai, or Paris. The majority of the members of this Safety Sciences Association are hard boiled engineers of electronics, industrial machine engineering, engineering design and so on. These top drawer technocratic experts don't take a supercilious technician's attitude to solve even such down to earth practical problems as urban congestion and crowding and traffic safety as jobs that can only be handled by technicians with engineering or electronics training. Evidently their perspective has sufficiently matured to include, in the job to be done, the concerted deliberation of experts trained in social disciplines. They include experts trained in political science, economics, urban problems, physiology, psychology, psychiatry, traffic psychiatry and so on.

There is nothing as compelling as learning things the hard way. These engineers did learn it the hard way in enlarging their perspective to include others not from within their own exclusive fold within engineering for tackling problems. The social problems like poverty, intergroup, international problems and the developing versus developed nations are hardly any less complicated, any less multi-faceted than the problems of traffic safety or crowding in Tokyo or New York subways. One single war causes more death, dislocation and misery than all that in a dozen multi-million cities. Therefore, the conviction is growing in me that the experts in the social disciplines will have no choice but to come out of their ivory ethnocentric castles to converge towards paradigms that all can stand on and engage, on those common grounds, in dialogues in which they can effectively talk with one another rather than talk at each other.

Muzafer Sherif

University Park Calendar

Jan. 12 — 22

Special Events

Thursday, Jan. 12

International Candlelight Dinner, live entertainment, 4:45-7 p.m., HUB Terrace Room.
FSHA, A Spanish/Mexican Experience, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Comp. Lit. film series, *Nahami*, Japanese with English subtitles, 7 and 9 p.m., Room 112 Kern.

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Sports: wrestling, vs. Oklahoma, 7:30 p.m.
Artists Series, Orchestra Camerata of Salzburg, 8:30 p.m., Eisenhower Auditorium

Friday, Jan. 13

Board of Trustees meeting, Room 402 Keller.
International Candlelight Dinner, live entertainment, 4:45-7 p.m., HUB Terrace Room.
Astronomy Open House, 7-10 p.m., 6th floor Davey Lab. See Mars, Jupiter and the moon.

Cloud date, Saturday, Jan. 14.

Hillel films, *Harold and Maude* and *Star Trek* Bloopers, 7 p.m., HUB assembly hall.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Shaver's Creek Nature Center, Owl Prowl, 8 p.m., Stone Valley.

Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, Jan. 14

Last date for final oral doctoral examinations for March graduates.

Last date for March graduates to deliver master's theses or papers to adviser.
Board of Trustees meeting, Room 402 Keller.
Faculty Women's Club, Mid-Winter Coffee, exhibit of handwork done by members, 9:30-11:30 a.m., Faculty Club.

Sports: men's and women's bowling, vs. Penn State-Capitol, 1 p.m.; wrestling, vs. Cleveland State, 2 p.m. (EWL meet).

Shaver's Creek Nature Center, Children's Story Hour, 2 p.m., Stone Valley.
Hillel films, *Harold and Maude* and *Star Trek* Bloopers, 7 p.m., HUB assembly hall.

Sunday, Jan. 15

University Chapel service, Dr. David Shannon, Pittsburgh Theological Seminary, Martin Luther King Jr. Service, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Ice Fishing and Fly Tying, 2 p.m., Stone Valley.
france-cinema, *Tati*, *Playtime*, 7 and 9 p.m., Room 112 Kern.

Hillel films, *Harold and Maude* and *Star Trek* Bloopers, 7 p.m., HUB assembly hall.

Monday, Jan. 16

Deadline for completed applications for IAHS Research Fellowships for summer and fall terms, Hilseng Cottage.

Two Cultures Dialogue, Robert Price, philosophy, on "Energy Problem: Background and Ethical Issues," noon, State College Hotel.

Shakespeare film, *Hamlet* (Williamson/Richardson), 6:30 p.m., Room 101 Chambers.
Comp. Lit. film series, Kenneth Clark, "Civilization/Protest and Communication—Rise of Protestantism, Invention of Printing Press, and the Art of Holbein and Durer," 7 p.m., Room 102 Kern. Free admission.

france-cinema, *Playtime*, 7 and 9 p.m., Room 112 Kern.

PSO Baroque Ensemble, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 17

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. John Keiser, libraries, on "An Actress: On Paper, On the Stage and In Bronze."

FSHA, Victorian England dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers.
University Readers, stories by William Tenn, 7:30 p.m., HUB assembly room.
International Council Lecture, 7:30 p.m., Room 112 Kern.

Artists Series/Film Festival, *Lloyd, Never Weaken and Why Worry?*, 8 p.m., Eisenhower Auditorium



The New York Renaissance Band will perform Jan. 20.

Wednesday, Jan. 18

Commonplace Theatre, *Steppenwolf*, 7:30 and 9:30 p.m., Room 112 Kern.

Friends of the Museum of Art Gallery Talk, Fedorick R. Matson, PSU, on "The Pottery of Ancient Egypt and Their Present-Day Descendants: The Importance of Pottery in Human History," 8 p.m., Museum of Art.
University Theatre, student preview, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 19

College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

FSHA, French dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.
Comp. Lit. film series, *Ugetsu*, Japanese with English subtitles, 7 and 9 p.m., Room 112 Kern.

University Readers, stories by William Tenn, 7:30 p.m., HUB assembly room.

Central Pa. Society of the Archeological Institute of America, Anette Kozliff, Cleveland Museum of Art, on "International Politics and Art of Tutankhamen's Egypt," 8 p.m., Room 101 Kern.

University Theatre, Milan Sitt's *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Friday, Jan. 20

Quarterback Club annual banquet, 6:30 p.m., HUB ballroom

Chinese Student Association film, 7 p.m., Room 112 Kern.

Jewelry and Metal Smithing workshop, David M. LaFantz, Kent State University, 7:30 p.m., Room 101 Chambers. Free admission.

Sports: men's basketball, vs. Massachusetts, 7:30 p.m. (EAA game).

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Artists Series, New York Renaissance Band, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 21

Sports: men's fencing, vs. William Paterson and Ohio State, 9 a.m.; men's and women's bowling, vs. Bloomsburg, 1 p.m.; women's fencing, vs. Ohio State, 1 p.m.; women's swimming, vs. Pittsburgh, 1:30 p.m.; men's swimming, vs. Pittsburgh, 4 p.m.

Phi Who Folies, 11 a.m.-6 p.m., HUB ballroom.
france-cinema, *International Animation Festival*, 7 and 10 p.m., and *Resnais, Last Year at Marienbad*, 8:15 p.m., Room 112 Kern.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

David Vogel, viola, 8:30 p.m., Music Bldg. recital hall.

Sunday, Jan. 22

Sports: men's volleyball, Nittany Lion Invitational.

University Chapel service, Dr. Theodore Kiffer, PSU, 11 a.m., Eisenhower Chapel.

Central Pa. Scholastic Art Awards, noon, Rooms 101 and 112 Kern.

Shaver's Creek Nature Center, Family Nature Movies, 2 p.m., Stone Valley.

france-cinema, *International Animation Festival*, 7 and 10 p.m., and *Last Year at Marienbad*, 8:15 p.m., Room 112 Kern.

Seminars

Thursday, Jan. 12

Computation Center, "RJE," (5 of 5), 7:30 p.m., Room 102 Forum.

Monday, Jan. 16

University Chapel and Biophysics, Ben Ware, Harvard University, on "Laser-Doppler Light-Scattering Methods in Biochemistry and Cell Biology," 3:35 p.m., Room 101 Althouse.
Computation Center, "Text Processing," (1 of 4), introductory programming, 7:30 p.m., Room 102 Forum.

Tuesday, Jan. 17

Biochemistry and Biophysics, Ben Ware, Harvard University, on "Electrokinetic Studies on Suspended Mammalian Cell Surfaces," 11:10 a.m., Room 101 Althouse.

Biology, W.A. Dunsen, biology, on "The Physiological Ecology of Snakes in the Sea and the Deserts: Studies on the Permeability of the Skin to Water and Salt and the Search for New Salt Glands," 11:10 a.m., Room 111 Life Sciences.

Food Science, Geraldine Dorsett, on "Warmed-over Flavors of Cooked Meats," 11:10 a.m., Room 201 Borland.

Computer Science/Computation Center, Peter Jurs, chemistry, on "Computer Assisted Studies of Chemical Structures Related to Biological Activities," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Richard L. Speece, Drexel University, on "Aeration Alternatives and Energy Considerations," 2:20 p.m., Room 128 Sackett.

History, James H. Brucker, PSU, on "Reform and Regalism: Francisco Leandro de Viana, Count of Tepa, and Spanish Colonial Administration under the Bourbons," 3:30 p.m., Room 101 Kern.

Genetics, Roberta Miller, physical education, on "Human Dermatology," 3:55 p.m., Room 52 Frear.

Plant Pathology, Alan Biggs on "Phytoalexins as Determinants of Disease Response — Phaseolin," 3:55 p.m., Room 213 Buckhout.

Nuclear Engineering, Dr. Lee Bettenhausen, Environmental Protection Agency, on "Radiation and the Environment: Radiation Levels from Coal Plants," 4 p.m., Room 225 EE West.

Wednesday, Jan. 18

Fuel Science, Norman C. Deno, chemistry, on "The Structure of Coal," 4 p.m., Room 301 Mineral Industries Bldg.

Thursday, Jan. 19

Chemistry, Charles P. Casey, University of Wisconsin, on "Studies of the Olefin Metathesis Reaction," 12:45 p.m., Room 333 Whitmore.

Anthropology, Daniel Kosk-Karrel, Catholic University, on "Archeological Excavations of Colonial Sites on Costal Haiti," 3:30 p.m., Room 112 Kern.

Physics, D.O. Edwards, Ohio State University, on "The Free Surface of Liquid Helium," 3:50 p.m., Room 117 Osmond.

Agronomy, David Welner, University of Maryland, on "Heat Tolerance Studies on Kentucky Bluegrass and Perennial Ryegrass," 3:55 p.m., Room 111 Tyson.

Computation Center, "Text Processing," (2 of 4), introductory programming, 7:30 p.m., Room 102 Forum.

Exhibits

Chambers Gallery: Molley Terrill, paintings on paper, and PSU undergraduate and graduate art students, glass.

HUB Gallery: Rowan P. Smoltha, The Shy People, photographs.

Kern Commons Gallery: Mary Cady Rubenstein, prints, and Rod Baldwin and Geza Telcki, photographs, both through Jan. 14. Central Pa. Scholastic Art Awards, opens Jan. 14.

Museum of Art: open Tuesday — Sunday, noon-5 p.m., tours, 2:30 p.m., Sunday. The First Five Years, anniversary show of selections from the permanent collection.

Zoller Gallery: student ceramic exhibition, through Jan. 18.

WPSX Highlights

For 70 years, Greenwood Furnace, Pennsylvania, was a thriving community centered around the manufacture of pig iron. Overnight the community died and vanished. Tuesday, Jan. 17, at 7:30 p.m.,

Talkabout presents a 30-minute documentary series, "Pieces of Greenwood," which recalls the early days of this community through the work of archaeologist Paul Heberling of Juniata College.

"The American least likely to be invited to a D.A.R. meeting" is the way one critic described longshoreman-philosopher Eric Hoffer. On Tuesday, Jan. 17, at 8 p.m., Eric Hoffer: The Crowded Life combines a portrait of this unusual philosopher with a glimpse of his ideas. Selections from Hoffer's writings are read by actor Richard Basehart.

On Wednesday, Jan. 18, at 8 p.m., Nova foresees a new era of preventive medicine when doctors will be able to predict each individual's susceptibility to diseases and immune against them at an early age. The 60-minute science documentary, "Blueprints in the Bloodstream," focuses on the body's *human leukocyte antigens* (HLA) system, which determines its tissue type according to the genes carried by Chromosome 6.

The first year of President Carter's administration is reviewed Thursday, Jan. 19, at 8:30 p.m. in a 30-minute public television special, **The 365th Day of the Carter Administration.**

Arts Roundup

N.Y. Renaissance Band to perform Jan. 20

Using instruments of the period, the New York Renaissance Band will perform music from the Middle Ages, Renaissance and early Baroque eras at 8:30 p.m. on Friday, Jan. 20, in Eisenhower Auditorium.

The musicians play a wide range of instruments, including recorder, cornetto, sackbut, shawm, dulcian, krumphorn, viol and lute. They place particular emphasis on the dance and instrumental literature written for renaissance winds.

Tickets for the performance will be on sale from 9 a.m. to 4 p.m. on Wednesday and Thursday, Jan. 18 and 19, at the HUB Booth.

Matson to speak on ancient potteries

Dr. Frederick R. Matson, research professor of archaeology, is presenting a gallery talk at 8 p.m. on Wednesday, Jan. 18, at the Museum of Art. His subject is "The Pottery of Ancient Egypt and Their Present Day Descendants: The Importance of Pottery in Human History."

Archaeology lecture

A lecture, "International Politics and Art of Tutankhamen's Egypt," will be presented by Anielle Kozloff, associate curator in charge of ancient art at the Cleveland Museum of Art, at 8 p.m. on Thursday, Jan. 19, in Room 101 Kern Bldg. The lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Ms. Kozloff, an expert on painting and relief styles of the Eighteenth Dynasty in Egypt, will discuss literary sources describing Egypt's political relationships with Crete, Anatolia and the Levantine coast just preceding and during the reign of Tutankhamen. Foreign influences on the styles and motifs of the works of art found in the tomb will also be discussed.

"The Runner Stumbles" premieres Jan. 19

The third production of the 1977-78 University Theatre season will be Milan Stitt's *The Runner Stumbles*, opening in the Pavilion Theatre on Thursday, Jan. 19.

The Runner Stumbles is based on an actual case in rural Michigan in 1911 involving a Catholic priest accused of murdering a nun.

Rather than a traditional courtroom trial drama, *The Runner Stumbles* flows from the present to the past in a series of flashbacks portraying a relationship between Father Rivard and Sister Rita that was indeed out of the ordinary for a priest and a nun.

The Runner Stumbles will be produced in the Pavilion Theatre Jan. 19-21 and 24-28 with a student preview on Jan. 18. Curtain time for all performances is 8 p.m.

Further information and ticket reservations are available at the Playhouse Theatre box office from 1 to 6 p.m., Monday through Saturday, 865-1884.

Musica da Camera concert on Jan. 18

Three well known works will make up the third program of Musica da Camera, the University's chamber orchestra, to be presented at 8:30 p.m. on Wednesday, Jan. 18, in the Music Bldg. recital hall.

Opening the program will be Haydn's Concerto Grosso, Op. 6, No. 4. This baroque work will be followed by Handel's Symphony No. 31, *Horn Signal*, and Bartok's Divertimento for Strings.

Musica da Camera is under the direction of Dr. D. Douglas Miller, associate professor of music. The group is made up largely of music graduate students.

Harold Lloyd films to be shown

Two Harold Lloyd films will be screened as part of the Artists Series "Comic Geniuses of Lloyd and Keaton," at 8 p.m. on Tuesday, Jan. 17, in Eisenhower Auditorium.

Newer Woked, Lloyd's last short comedy, filmed in 1921, is a classic example of his skill at combining comedy and thrills. In the second film, *Why Worry?*, made in 1923, Lloyd plays a wealthy hypochondriac who goes to South America to rest and finds himself in the midst of a banana republic revolution.

Tickets for the films will be available at the Eisenhower Auditorium box office the evening of the screening, beginning at 7:30 p.m.

Wind Ensemble offers varied concert program

The Symphonic Wind Ensemble, a group of about 45 student and faculty musicians, will present its second concert of the season at 8:30 p.m. on Friday, Jan. 13, in the Music Bldg. recital hall.

The group is under the direction of Smith Toulson III, associate professor of music.

The program will open with a march from *Symphonic Metamorphosis* by Paul Hindemith, followed by Vincent Persichetti's *Parable for Band*. Christopher Callahan, assistant professor of music, will join the group as French horn soloist for Mozart's Second Horn Concerto, Mozart for Handel by Alfred Reed and *La Procession du Rocio* by Joaquin Turina make up the remainder of the evening's offerings.

Baroque concert Jan. 16

The Baroque Ensemble, a group consisting largely of Penn State graduate and undergraduate students in music, will offer a program of music of the 17th and 18th centuries at 8:30 p.m. on Monday, Jan. 16, in the Music Bldg. recital hall.

Brent Wissick, a graduate student majoring in cello at the University, conducts the ensemble. Mr. Wissick, along with a fellow student, Brian Stewart, helped found the group last year.

The repertoire includes French, Italian and German music. Two of the numbers to be included in the Monday concert are Corelli's Trio Sonata, composed in 1690, and Telemann's Concerto for the Recorder, written in 1750.

The ensemble consists of a viola da gamba, baroque cello, baroque violin, harpsichord and recorder. The string instruments use gut string and are played with an arched, or baroque, bow instead of the concave bow characteristic of modern string instruments.

Funding Opportunities

For further information, call 865-1372

(299-1) A brochure, "An Opportunity for College and University Involvement in HUD Research," has been published by HUD. Major investigative avenues include: cost of housing, alternative housing finance mechanisms, urban economic development and public finance, special users elderly and handicapped, neighborhood reinvestment and revitalization, and site selection/integration. (Ref. *ibid.*)

(299-2) The NSF Guide to Program FY 1978 has been published. Included are criteria for the selection of research projects and a summary of NSF programs of scientific research and education in the mathematical, physical, environmental, biological, social, behavioral, and engineering sciences. Projects are not supported in clinical medicine, the arts and humanities, business areas or social work. (Ref. *ibid.*)

(299-3) The new NSF Grants Policy Manual has been issued to implement OMB circular A-110 and to standardize and simplify accountability and reporting requirements among federal granting agencies. Chapters include: proposal submission, evaluation, and award; grantee standards; payment and financial re-

Graduate education

(Continued from page 1)

to the graduate faculty by their departments or programs, not only based on the relative quality of their credentials or scholarly achievement, but also on the program's perception of its need for their services — their specific competencies or specialty areas — in carrying out its graduate affairs. These would include its need in graduate course offerings, in the advising of graduate students, in the directing of theses, and in serving on graduate committees. Consequently, faculty members, whether at University Park or at one of the Commonwealth Campuses, should follow the normal routes to determine if their departments have a need for their services in graduate affairs."

Turning to the future of graduate education at Penn State, Dean Bartoo observed that some persons think there will be a return to the situation which existed from the mid-thirties to the late fifties when graduate study was a kind of "add-on," in that faculty members handled large undergraduate teaching loads and provided graduate training almost on their own initiative, as a labor of love.

"I'm not sure that that is going to be the case," he said. "I have given a talk that some of you may have heard on what I consider the ebb-and-flow theory. I think that there is some need occasionally in a university like ours, especially at the graduate level — especially at the research level, where we tend to become narrower and narrower in our specialization and

become reductionists — to reverse that trend. I see this as the ebbing period. At this time one attempts to bring fields together where they can interact in a healthy fashion, to emerge later with branches, new bodies of knowledge, and the like. I would hope to some extent that we see that occurring in our undergraduate programs, our graduate programs, and our research programs. Just what mechanisms we are going to develop to facilitate this ebb and flow I am not quite sure."

Concluding with a plea to maintain academic quality, Dean Bartoo said:

"Given the prospect of declining enrollments, which would result in a still further lowering of Penn State's already low ratio of graduate to undergraduate students, we will accept those losses which we cannot remedy in order to maintain the quality and viability of our graduate programs. At both the graduate and undergraduate levels, we must do everything we can to avoid the prospect of becoming program-rich and quality-poor. Although it is critical that the graduate fields that are represented in the University be maintained to fulfill the University's mission as a land-grant institution, it is equally essential that the Graduate School function to protect the value and integrity of the graduate degrees it grants. I am confident that in the ensuing budgetary discussions, the strong faculty interests and expertise in the area of graduate education will be adequately represented, and that the allocations of our resources will adequately recognize the role and function of graduate education."

News in brief

(Continued from page 1)

will be held at 11 a.m. Sunday, Jan. 15, in the Helen Eakin Eisenhower Chapel. Dr. David Shannon, dean of the Pittsburgh Theological Seminary, will speak on the topic, "Man Sent from God."

Other events in honor of the Rev. Dr. King include a memorial dinner at 6 p.m. Saturday, Jan. 14, in the Holiday Inn, State College, co-sponsored by the University's Forum on Black Affairs, and a community service at 3 p.m. Sunday in Grace Lutheran Church, State College. Details are available from the Rev. Charles Coleman, 865-6548.

Readers to present William Tenn stories

The University Readers will present dramatized readings of stories by William Tenn at 7:30 p.m. on Tuesday and Thursday, Jan. 17 and 19, in the HUB assembly room. William Tenn is the pen name of Philip Klass, professor of English.

AVS has new public affairs series

An important new series of public affairs discussions has recently been added to the media library at Audio Visual Services.

The series, entitled FOCUS, deals in depth with significant public policy issues facing the United States and the world. Issues under discussion in the series include energy conservation, Israel and the Palestinians, South Africa, national health insurance, and national priorities. Each discussion includes experts from the producing agencies and outside authorities on the topic. Each of the discussions runs one hour in length, although three of the total 16 different discussions are also available in 30 minute versions.

The series has been produced jointly by Brookings Institution, The Carnegie Endowment for International Peace, and Resources for the Future.

Anyone wishing to obtain a brochure describing the individual discussions or to book any of the individual programs in the FOCUS series should call Audio Visual Services at 865-6314. All of the discussions are available only on U-Matic videocassettes.

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Faculty input asked on issues facing Senate

Editor's Note: Faculty Senate chairman Thomas E. Daubert prepared the following article to bring faculty up-to-date on major items under Senate consideration during winter and spring terms.

In the Sept. 22 issue of INTERCOM, many Senate activities for the year were listed for your information and input. Such input is still welcome. The ten precs below note some of the major issues currently being considered, and faculty input is again requested — the name of the individual to contact is listed. Additional items of importance to the University, which you feel should be considered by the Senate, should be relayed to the Senate Chairman, Thomas E. Daubert, Birch Cottage, for consideration.

1. **Delegation of Authority** — IRC Committee (Walter B. Severs, Hershey Medical Center)
The committee is considering areas under

the Senate's jurisdiction which may be appropriate to delegate to College and/or Campus faculty organizations. An informational report on this work is now being prepared.

2. **Part-Time Faculty** — Faculty Affairs (Edward H. Klevans, 231 Sackett)
The committee is preparing a report on two aspects of this question — the workload problems associated with too large a proportion of part-time faculty within a location or department, as well as benefits, obligations, and quality-of-performance evaluations for such personnel.

3. **Baccalaureate Degree Requirements** — Special (Thomas D. Larson, Research Building "B")
An in-depth study of the nature, purpose, and desirability of general education requirements leading to a possible change in their structure.

4. **Retention and Transfer** — Undergraduate Instruction (E. W. Miller, 101 Mineral Sciences)
Senate legislation in June 1977 established a plan for academic transfer and retention criteria for limiting enrollment in Colleges and programs. Implementation policies, including the academic criteria to be used, are currently being formulated.

5. **Climate for Research and Scholarly Activity** — Research (Thomas D. Larson, Research Building "B")
A general report including recommendations for improvement of the research climate is being prepared. A preliminary report was presented to the University Faculty Senate in January. Current effort involves addressing the problems of accountability in maintaining an atmosphere of scholarly excellence on the part of the faculty, academic unit head, and general administration, as well as the

differences between individual faculty in assignments and expectations for research and scholarly activities.

6. **Long-Range Planning** — Planning and Development (John J. Cahir, 620 Walker)
A long-range planning study on the quality of Penn State's offerings in the mid-1980s and beyond. Included are research, teaching, and public service. The objective is to identify factors which are likely to affect the quality of our offerings and alert the Senate to them so that debate and rational planning decisions can be made. Examples might be: changes in the State Master Plan; changes in the numbers and makeup of undergraduate and graduate student bodies; changes in population and job market characteristics; and changes in the faculty, such as tenure status and age.

(Continued on page 2)

January 18, 1978 Volume 7, Number 18

Penn State Intercom

Senate discusses delegation of responsibility to faculty groups

The University Faculty Senate should delegate responsibility to College and Campus faculty groups when appropriate, Dr. Arthur O. Lewis, associate dean of the College of the Liberal Arts and professor of English, said at the Jan. 10 Senate meeting.

But, he added, "We should never forget that we are one university, even though geographically dispersed."

Dr. Lewis also warned against trying to be symmetrical or uniform in the delegation of responsibility.

"We should take each request on its merits," he said.

Dr. Lewis's remarks introduced a forensic session convened because, although the Senate Bylaws include a provision for delegation of responsibility to faculty bodies, it has never been widely used. The original plans to implement the delegation mechanism go back to the early 1970s.

Last summer, the Intra-University Relations Committee was asked to investigate the situation and to list possible appropriate functions for delegation to College and Campus faculty groups. The chairman of the IRC is Dr. Walter B. Severs, professor of pharmacology at Hershey Medical Center.

President Oswald spoke briefly, saying that the interests of students should be a governing principle in the delegation of responsibility. Students should be able to move within the University without encountering problems related to the transfer of credits, he said.

In its regular monthly meeting, the Senate heard an informational report on responsibility for research and scholarly activity. It was presented by Dr. Thomas Larson, director of the Pennsylvania Transportation Institute and chairman of the Committee on Research.

Following Dr. Larson's presentation, Dr. Edward H. Klevans, professor of nuclear engineering, said he was concerned about the future of the research environment at Penn State, in view of expected funding cutbacks.

Dr. Klevans said he feared a gradual

erosion of the scholarly environment at the University through increased teaching, advising, and committee workloads for faculty. If research activity is reduced because of heavier teaching loads, he said, graduate student support and salary and overhead cost support associated with research funding would be lost.

"If cuts were to lead to such effects, the cost savings for which we are striving might not be savings at all, but might make the financial situation at the University even worse," he said.

In other action, the Senate approved two proposals, one in amended form, for changing the academic drop rules.

Presented by the Committee on Admissions, Records and Scheduling, they distinguish between students who hold nondegree status because they have been dropped from other programs and those who do so by choice.

In the past, the committee pointed out, three groups of students have been recognized: degree, provisional, and nondegree. Degree and provisional students who were dropped from their programs because of academic failure were allowed to become nondegree students. In addition, students who enrolled at Penn State after being dropped from other institutions for academic reasons held nondegree status.

But nondegree students who did not maintain a 2.00 cumulative average were dropped permanently from the University, whether they were nondegree by choice or necessity.

Under the new provisions, there will be five student categories: degree, provisional, nondegree, probationary, and restricted. Students who are dropped from their programs will become probationary students and will not be allowed to register for credit coursework for one term (Summer Term can not be counted) after the drop action.

Probationary students who perform poorly will be dropped to the restricted level and will not be permitted to register for coursework for one term.



"International Politics and Art of Tutankhamen's Egypt" will be discussed by Arielle Kozloff of the Cleveland Museum of Art tonight at 8 p.m. in Room 101 Kern Bldg.

University to hold five spring term commencements

The University will have five commencements on Saturday, May 27, because Beaver Stadium, where spring term exercises traditionally are held, will not be available.

Construction to enlarge the capacity of the stadium is not scheduled for completion until September.

Awards normally presented at the spring ceremonies will be made at a 10:30 a.m. program in Recreation Bldg., where graduates of the Colleges of Business Administration, Education, and Human Development will receive their diplomas.

Two other 10:30 a.m. programs are scheduled, the first in Eisenhower Auditorium, for students in Agriculture, Arts and Architecture, and Earth and Mineral Sciences; and the second in the HUB ballroom for the Graduate School.

Exercises at 1:30 p.m. will be held in Recreation Bldg. for Engineering, Science, and Health, Physical Education, and Recreation; and in Eisenhower for Liberal Arts.

Penn State asks 8.6 percent raise in State aid

In an effort to cope with inflation, to offset the serious effects of no increase in this year's State appropriation and to avoid further tuition increases, Penn State has requested an appropriation of \$125,807,000 from the State for the 1978-79 fiscal year.

The Board of Trustees approved the request at its Jan. 13-14 meeting.

"Penn State received absolutely no increase in State support during the current year," President Oswald pointed out. "Because of the delay in passage and payment of the State appropriation, we will run an estimated deficit of \$1 million in unanticipated and unbudgeted interest charges."

"Taking into account the two-year period, the appropriation requested for next year represents an average increase of 8.6 percent per year over the 1976-77 appropriation level."

"When adjusted for inflation," Dr. Oswald noted, "this is practically a zero increase."

Other news of Trustee actions is reported on pages 3 and 4.

Dr. Oswald told the Trustees that approximately one-third of the requested increase is specifically related to avoiding further tuition rate increases for 1978-79. Tuition was increased by \$114 per undergraduate student in May and increased again by an additional \$35 for the spring term.

Emphasizing the importance of holding the line on tuition, Dr. Oswald reported that tuition at Penn State has increased more than 180 percent in the last 10 years. "Penn State's current tuition rate," he added, "is the second highest for all public Land-Grant universities in the nation — over 70 percent above the average rate of comparable institutions."

The University submitted an administrative draft of its 1978-79 State appropriation request in October 1977 to

(Continued on page 4)

(Continued on page 4)

Penn Staters

Dr. Howard Morgan, Evan Pugh Professor and chairman of physiology, has been elected national vice president of the American Heart Association.

Dr. Gerard J. Brault, professor of French, is serving as one of five consultants in a Survey of Research Tool Needs in French Language and Literature funded by the National Endowment for the Humanities. The committee will poll approximately 3,800 college professors of French about basic reference works and assist the Research Materials Program of the NEH in establishing a general order of priority.

Dr. Warren T. Morrill, professor and head of the Department of Anthropology, is one of 32 professors in the fields of anthropology, foreign languages, and physics to be featured in a national report on effective teaching, published this month by *Change Magazine*.

Dr. Morrill's contribution is a description of the revision of Anthropology I, Penn State's introductory anthropology course. Over the past few years, the format has been shifted from mass to individualized instruction, and there has also been a change in the course content. (For more complete information, see the Aug. 12, 1976, issue of INTERCOM.)

The report is part of a semiannual series financed by a grant from the federal government's Fund for the Improvement of Postsecondary Education.

Revolutionary Ladies, by Dr. Philip Young, research professor of English and a Fellow of the Institute for the Arts and Humanistic Studies, has been selected by the American Revolution Round Table as the best book published on the Revolution in 1977. It was cited for the depth and originality of its research.

The book, which was published last September by Alfred A. Knopf, tells the stories of several Revolutionary-era women, most of whom have been virtually unknown, despite the fact that their lives were significant, complex, and dramatic.

Edward J. Diefenbach, assistant director of the Northern Tier Region on the University's Cooperative Extension Service, staff, has also been appointed assistant director of the North Central Region, effective Jan. 1.

In this post he will supervise county and regional Extension programs in Cameron, Clearfield, Elk, Jefferson, McKean, and Potter counties. He will also continue to work in Bradford, Sullivan, Susquehanna, Tioga, and Wyoming counties.

A member of the Extension staff since 1951, he has a B.S. from Iowa State University and an M.Ed. from Colorado State University.

Obituaries

Edwin S. Roscoe, professor emeritus of industrial engineering, died Jan. 8 at the age of 81. He served on the faculty from 1947 until his retirement in 1961. The author of two textbooks, *The Organization for Production and Project Economy*, Prof. Roscoe had a B.S. degree from the University of Rochester.

Roy M. Decker, a member of the Agricultural Extension staff from 1916 to 1946, died Jan. 8 at the age of 89. Mr. Decker was a Penn State alumnus with a B.S. degree in animal husbandry obtained in 1916. He also earned an M.S. in marketing from the University in 1936.



Catherine E. Holt, assistant Extension director in the North Central Extension Region, retired Dec. 31 following 19 years of service. Miss Holt had supervised Extension programs in McKean, Potter, Elk, Cameron, Jefferson and Clearfield counties since 1972. From 1960 to 1972 she served as assistant State home economics leader in the former Northwest Extension Region. She was Extension home economist in Indiana County for two years prior to 1960.

A native of Marion Center, she received a B.S. from Indiana University of Pennsylvania and an M.Ed. from Penn State. In 1975 she was recognized as the outstanding home economics alumnus of Indiana University on its 100th anniversary.

Bookshelf

Dr. Nancy M. Tichler, professor of English and humanities at The Capitol Campus, is the author of a book, *Legacy of Eve*, published recently by John Knox Press. It is a study of women in scripture, from Genesis through Revelations, emphasizing patterns of imagery in their presentation.

Tracing the stories of Old Testament women, Dr. Tichler finds that most are presented as facets of man's life — wives, mothers, or temptresses. The New Testament personalities, however, reveal significant changes in the recognition of woman's total humanity, especially through the words and actions of Jesus.

Legacy of Eve is intended for use as a text and a study guide. Dr. Tichler is also the author of *Tennessee Williams: Rebellious Partisan and Black Masks: Negro Characters in Modern Southern Fiction*. She is editor-at-large for Christianity Today.

Funding Sources

For further information,
call 865-1372

(300-1) The National Endowment for the Humanities (NEH) 1977-1978 Program. Announcement contains application information, program deadlines and descriptions, and a staff directory. Deadlines for education programs, state programs, public programs, research grants, fellowships and youth grants range from January through September 1978. (Ref. 10d.)

(300-2) The National Endowment for the Arts (NEA) Guide to Programs 1977-1978 contains application information, descriptions of program areas, deadline dates, and a telephone/mailing directory. Deadlines range from December 1978. Programs include the areas of architecture, dance, education, folk arts, literature, museums, theatre, and work experience. (Ref. 10d.)

(300-3) Public Understanding of Science is an NSF program that has three deadlines each year — April 1, Aug. 1, and Dec. 1. Preliminary proposals (5 pp.) must be submitted and are accepted at any time. Projects may include radio and TV programs, newspaper and magazine reporting, museum and science center activities, dramatic and film presentations; and lectures, forums, conferences, and workshops. (Ref. SE77-40)

(300-4) NSF has set up a new program of *Science Resources Analyses*. It includes studies on scientific and technical personnel activities, manpower forecasting activities, and development of new output measurements, especially indicators of technological innovation. Doctoral candidates may be principal investigators. Awards will range from \$25 to \$50K. The FY1978 deadline is March 15. (Ref. 43FR1016, 15/78)

(300-5) The NSF Information Science Research program has a Jan. 31 submission date for FY1978 funding. Included for support are fundamental and applied information science research and descriptive and analytical studies. (Ref. C&I/59) (NSF 77-77)

News in Brief

Major medical claims due by March 31

March 31, 1978, is the last date on which the Employee Benefits Division will accept charges for a 1977 major medical claim for University employees or their dependents. A major medical claim is established if an employee reports \$100 of eligible, out-of-pocket medical expenses incurred during the calendar year 1977.

Charges that are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance service, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for eligible charges and submitted to the Employee Benefits Division with a claim form. In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 133 Willard Bldg., the Business Offices at locations other than University Park, and the Personnel Office at the Hershey Medical Center.

GSA sponsoring Financial Aid Workshop

The Graduate Student Association will sponsor a Financial Aid Workshop at 7:30 p.m. on Thursday, Jan. 26, in Room 101 Kern Bldg. For the first time, information on most types of aid will be pulled together in one place. Benjamin F. Howell Jr., associate dean of the Graduate School, and a representative from the Office of Student Aid will speak at the workshop and be available to answer questions.

Credit Union annual meeting

The annual meeting of members of the Penn State Federal Credit Union (PFCU) will be held at 7:30 p.m. on Wednesday, Jan. 25, in Room 101 Kern Bldg. The Credit Union, established at Penn State in 1959, has current net assets of \$3 million and in September 1977 loans made exceeded \$10 million. The Credit Union's office is open from 10 a.m. to 3:30 p.m. Mondays through Fridays in the Telephone Bldg.

United Way giving falls short of goal

University Park employees contributed \$88,821 to the United Way campaign for 1978, which ended Jan. 6.

Dr. James M. Beattie, campaign chairman, noted that the amount was a thousand dollars short of the campus's goal of \$90,000.

"I am disappointed that our goal was not reached as part of our contribution to the United Way campaign in Centre County," he said. "However, I am delighted to know that the county did reach its goal of \$301,000."

At University Park, 1,238 people, or 18 percent of those solicited, contributed to the 1978 campaign. Included were 216 new contributors from among the faculty and staff, but 230 people who gave in 1977 did not donate this year. The average contribution was \$71.75, up from \$67.57 in 1977.

"On behalf of the campaign workers, I thank all members of the faculty and staff who contributed to this year's campaign," Dr. Beattie said. "Their contributions will be put to good use in aiding 77 United Way agencies sorely in need of financial support."

Thalia Trio to perform

The Thalia Trio will present its second concert of the current season at 8:30 p.m. Wednesday, Jan. 25, in the Music Building recital hall.

The trio, Joanne Zagst Feldman, violinist, Robert Baisley, pianist, and Leonard Feldman, cellist, will perform Haydn's Trio in C Major, Faure's Trio in B flat, and four fantasy pieces by Schumann entitled "Romance," "Humoresque," "Duet," and "Finale-March," which were chosen because they are "delightful little pieces that aren't heard very often," explains Dr. Baisley.

The concert is sponsored by the Music Department, and is free and open to the public.

Aliens must register

The Office of Personnel Administration reminds aliens at all Penn State campuses that each year during the month of January aliens are required to register with the Immigration Service, regardless of their current visa status. They can obtain the necessary forms at their local post office. Failure to comply with this requirement is considered a serious offense and could result in arrest and deportation.

Faculty input

Continued from page 1)

7. The Academic Adviser — Undergraduate Instruction (Richard L. McCarl, 303 Althouse Lab)

This study is to evaluate the desirable role, responsibilities, reward system, and importance of this function.

8. Future of Undergraduate Instruction — Undergraduate Instruction (George W. Franz, Delaware County Campus)

This report will parallel much of the work of Item 6, but will be more specific with regard to its focus.

9. Admissions Standards — Admissions, Records and Scheduling (John E. Ayers, 211 Buckhout Lab)

Currently a five-year statistical study of degree admissions standards by College and Campus, including SATs, high school averages, and Categories I-VI, is being prepared. A longer-range study is in progress and will also include provisional-degree and non-degree students. Upon completion of the study, recommendations for changes in admissions standards will probably result.

10. Promotion and Tenure — Faculty Affairs (L. Peter Gold, 150 A Davey Lab, or Philip A. Klein, 516 Kern Bldg.)

The charge to this committee is to consider modification of PS-23 without change in its basic structure. The Committee is considering (1) changes in tenure review years, (2) stronger justification necessary for shorter time in rank, (3) early tenure decisions, (4) coupling of tenure and promotion to associate professor, (5) written notifications of negative sixth year tenure reviews, and (6) policy of higher level review committees when they disagree with a lower level committee.

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From the Trustee Docket

Revisions in current budget approved

Revisions in Penn State's current operating budget, necessitated by the Governor's cut of \$2.2 million from the University's State appropriation, that had been approved by the Legislature, were acted upon Saturday by the Board.

As revised, the budget, which was initially based upon the Governor's recommendation of \$109.7 million and adopted by the Trustees in May 1977, deals with the problem of a \$3 million reduction in anticipated State funding for this fiscal year. About \$2 million of this amount will be made up by cutbacks in expenditures, President Oswald said, adding: "Most regrettably, the University had to make a second, mid-year increase in tuition for this school year, which will bring in approximately \$1 million."

In his budget report to the Trustees last May, Dr. Oswald had foreseen the possibility of a second tuition increase. Quoting from a letter he sent to parents of students May 6, he noted that if the \$3 million increase in the State appropriation recommended by the Governor "is, for some reason not achieved, the University would be forced to make further cutbacks in many programs, and in all likelihood a second increase in tuition would be needed in mid-year, beginning in either winter or spring term."

Also in May, President Oswald indicated that the University had developed contingency plans for operating, if necessary, during 1977-78 at a State appropriation level even less than that recommended by the Governor. The contingency plans, however, did not include an estimated \$1 million in interest charges resulting from a six-month delay in receiving approval of the State appropriation, and the deferred schedule of payments developed by the State.

Dr. Oswald told the Trustees that the University will seek reimbursement from the State for the interest charges.

"Concerned members of the General Assembly," Dr. Oswald said, "have indicated that every possible effort will be made to obtain relief from the General Assembly to cover the interest costs which presently represent an operating deficit for 1977-78."

The tuition was increased \$35 for the spring term for Pennsylvania students at University Park, graduate students at Hershey, and non-Pennsylvania students at all locations. The increase will be \$15 for State residents at the Commonwealth Campuses, Behrend College and Capitol Campus and graduate students at all locations other than University Park and Hershey.

Dr. Oswald emphasized that a combination of efforts would be necessary to close the \$3 million gap in anticipated income brought about by the reduction in the State appropriation. He reported that the tuition increase is expected to provide only about one-third of the needed amount, or approximately \$1.1 million. Another \$2.2 million will be made up in budget reductions and expenditure savings.

"A contingency plan was put into effect last August," Dr. Oswald commented. "We saw difficult days ahead. This plan will make it possible to achieve budget savings of \$1.4 million. We must make further savings prior to June 30, the end of this fiscal year, to achieve an additional \$800,000."

Referring to the \$1 million interest cost, Dr. Oswald said: "The exact amount of the interest cost will depend on the timing of the State payments of the appropriation." As of Dec. 31, the University had borrowed \$54 million and had incurred \$456,000 in interest charges. Interest costs up to \$1 million may result if the proposed plan of the State to delay payments to the

University is followed. One payment of \$15.5 million was received on Dec. 29.

Dr. Oswald, in commenting on the difficulties faced by the University over the last six months, said, "I want to express my deep appreciation to the many legislators, alumni and citizens who worked so diligently on behalf of Penn State. I also want to express my appreciation to the many faculty members, staff members, students and to the broader University community for their support and understanding during this difficult period."

Ulerich re-elected as Board president

William K. Ulerich, of Clearfield, newspaper publisher and broadcasting executive, has been re-elected to his third one-year term as president of the Board of Trustees. J. Lewis Williams, a dairy farmer from Uniontown, was also re-elected to a third term as vice-president.

Mr. Ulerich has served as a trustee from 1951 to 1957 and since 1964, while Mr. Williams has been a Board member since 1955.

Dr. John W. Oswald, as president of the University, continues as secretary; and Robert A. Patterson, senior vice-president for finance and operations and treasurer, as treasurer. Other University staff personnel named again to one-year terms last Saturday were: Dr. Richard E. Grubb, associate secretary; Patricia L. Rosdill and Mary Lou McCorkle, assistant secretaries; and Richard H. Baker, assistant treasurer.

Mr. Ulerich is chairman of the board of Progressive Publishing Co., Inc., which publishes *The Progress* in Clearfield and the *Danville News* in Danville, and operates four community AM radio stations and four community FM stations. He is a 1931 graduate of Penn State and in 1969 was named a Distinguished Alumnus. Last June, Dickinson School of Law conferred on him the honorary doctor of laws degree.

Mr. Ulerich in 1969 was appointed to the Pennsylvania State Board of Education, and he served until 1974 on the Board's Council of Higher Education. He is a past president of the Pennsylvania Newspaper Publishers Association.

Mr. Williams, who has been a dairy farmer and farm machinery dealer, is a 1927 graduate of Penn State's two-year course in agriculture and in 1970 was designated a Distinguished Alumnus of the University. He was named a "Master Farmer" by the "Pennsylvania Farmer" in 1955.

He is an honorary member of the Pennsylvania County Agents Assn. and had been president of both the Fayette County Holstein Breeders' Assn. and the Southwestern Pennsylvania Holstein Breeders' Assn. He has also served as president of the Fayette County Agricultural Extension Assn., Pennsylvania Dairymen's Assn., and the Atlantic Breeders' Cooperative. For 19 years he was secretary-treasurer of the Pennsylvania Assn. of Artificial Breeding Cooperatives and was chairman of the State's Brucellosis Eradication Committee.

Trustees elected Saturday to one-year terms on the Executive Committee of the Board are: Marian U. Barash, State College; Edward R. Book, Hershey; Walter J. Coit, Doylestown; Charles W. Shaeffer, Baltimore; J. Luther Snyder, Camp Hill; Mr. Williams; and Quentin E. Wood, Oil City.

The President of the Board and the President of the University serve as ex officio members of the Executive Committee.

Donated funds allocated

The Trustees approved the allocation from undesignated funds of \$168,318 for cultural, campus environmental, student aid, instructional, and research projects. The funds were made available by alumni and friends of the University to meet needs that could not be met within the current stringent operating budget.

The Alumni Memorial Scholarship program received a \$50,000 allocation. This program was established "to recognize and attract outstanding undergraduate students who demonstrate exceptional academic achievement or promise."

To strengthen cultural offerings, \$30,948 was approved by the Trustees. This includes: \$10,000 in matching funds for a Ford grant to the Department of Art; \$2,500 for a corporate-art-on-campus project in the College of Business Administration; \$5,000 of matching funds for a National Education Association grant to the Museum of Art; \$5,558 for travel by the University Chorus to perform with the Pittsburgh Symphony Orchestra; \$3,690 for a display case for the Boehm Bird Collection at the Altoona Campus; \$200 for additions to the art collection at Behrend College; and \$4,000 for the Ethnic Cultural Center in New Kensington.

Campus improvement projects received \$29,370. Included were \$5,000 for landscape beautification at Hershey; \$2,550 for renovation of the lobby of Osmond Laboratory; \$5,000 for tree replacement on Pollock Road; \$3,400 for directional signing at Beaver; \$2,620 for roadside signs at DuBois; \$5,000 for grounds improvements at Fayette; \$3,000 for a rock garden at New Kensington; and \$2,800 for restoration and development of the Arboretum at Wilkes-Barre.

Toward stimulation of faculty research and scholarship, \$18,500 was designated. Projects receiving funding include re-evaluation of exercise/heart disease status at the Laboratory for Human Performance Research; \$7,000; cumulative Shakespeare Bibliography in the College of the Liberal Arts; \$6,000; the papers of Martin Van Buren at Ogonitz; \$5,000; and a mission to the International Olympic Committee from the College of Health, Physical Education and Recreation, \$500.

The Helen Eakin Eisenhower Chapel was allocated \$20,000 to help repay construction costs for a recent addition. The reference library in the Department of Food Science was awarded \$4,000; a Mini-Observatory at Behrend College, \$3,500; Campus Parcours at Allentown, \$2,000; publication of the journal, *Minority Voices*, by the Paul Robeson Cultural Center, \$2,800; computerized student-employer matching program at the Career Development and Placement Center, \$5,700; publication of "Proceedings: Sociolinguistic Problems" by the Department of Slavic Languages, \$800; and communication improvements at DuBois, \$700.

Funds for these projects come from private monies contributed by alumni and friends of Penn State to help enrich the programs of the University. Tuition, State, and federal funds are not available for these purposes.

Phys ed facility to be built at stadium

The awarding of contracts for construction of an intercollegiate athletic and physical education facility under the stands being built at the south end of Beaver Stadium was authorized by the Trustees.

The facility was one of the alternates bid as a part of the total Beaver Stadium expansion project, but was not included in the final contract. The bid price, however, was effective until Jan. 31, 1978.

Construction of the south stands, it is explained, provides the site for the room, which is expected to be used extensively throughout the year for the physical

education program, as well as meet needs for team room facilities for football games and other sports.

Dr. Robert J. Scannell, dean of the College of Health, Physical Education, and Recreation, emphasized the need for such a facility in the total physical education and athletic program of the University. He pointed out that certain classes for physical education majors who work with the teaching and coaching of sports which utilize fields in the stadium area are handicapped by the lack of convenient classroom facilities. The provision of the space under the south stands will help to solve this problem.

The Trustees also authorized an expenditure not to exceed \$200,000 for the project with the funds coming from gate receipts and television revenues received from football games. No tuition, State, or federal funds will be used for the facility.

"This is another example," said Dean Scannell, "of how proceeds from our football program benefit not only that program, but intercollegiate athletics and physical education programs as well."

Dean Scannell noted that all physical education majors must complete a basic lecture/laboratory course in the prevention and care of athletic injuries. Also, students seeking certification as professional trainers complete additional elective courses of this type. None of the current training rooms has been designed with teaching in mind, and none offers the convenient training room/classroom relationships this new facility will offer.

While the new facility will provide needs for football game days, it also will provide needed locker space for other teams and classes using the stadium area. At present, several teams and classes using the stadium area must dress in Recreation Bldg. or White Bldg. and be transported to and from the stadium area. Track, baseball, soccer, and lacrosse classes will be able to utilize the facility.

Eight Distinguished Alumni selected

Eight graduates of the University have been named as Distinguished Alumni. There were recommended for the honor by a special committee chaired by Mrs. Marian U. Barash, of State College, a trustee.

The alumni to be honored are: Dr. John M. Chemszky '35, Rahway, N.J., executive director of process chemistry, Merck Sharp & Dohme;

Catherine Lewis Eftimiadi '42, New York, N.Y., top designer and consultant in textiles and head of Kay Lewis, Inc.;

Dr. Joseph P. Kriss '39, Palo Alto, Cal., director, Division of Nuclear Medicine, Stanford Medical School;

Norman C. Miller '56, Washington, D.C., chief, Washington Bureau, Wall Street Journal;

Dr. James Herbert Robinson '49, Havertown, associate dean-director of minority affairs, Jefferson Medical College;

Gerard C. Romig '27, Fort Washington, former chairman of the Board, Amchem Products, Inc.;

Robert H. Rumler '36, Brattleboro, Vt., executive chairman, Holstein-Friesian Assn. of America; and Judge G. Harold Watkins '24, Frackville, president judge, Superior Court of Pennsylvania.

They will be invited to return to the University June 2 and 3 for the annual Alumni Institute and Class Reunions program when they will be honored by fellow alumni and presented a bronze medal by the President of the Board of Trustees and the President of the University.

The Distinguished Alumni Awards are the highest awards conferred on alumni by the University. They were established in 1951 to recognize and salute the achievements of outstanding alumni and to date 215 graduates have been named.

Capitol library plans win approval

Final plans for the construction of a temporary annex to the library at the Capitol Campus were approved, and the asking of bids and the awarding of contracts authorized.

The library is located in the Olmsted Bldg., the main building at the Campus. The annex will be built to the north and east of the library location, adjoining the Olmsted Bldg. It will be built of pre-engineered metal and provide approximately 5,000 square feet of floor space, all on one level.

The Capitol Campus library presently has a collection of 130,000 books and journal volumes crowded into an area of 17,000 square feet and has reader space for only 125 students from an enrollment of some 2,500.

Dr. Robert E. McDermott, provost, explains that present space allocation is about 30 per cent deficient, according to American Library Association Standards for college libraries.

Expenditures, not to exceed \$280,000, were authorized for the project, which includes changes required by Labor and Industry in the Olmsted Bldg. Funds are available for this purpose from Insurance, OSHA, and Labor and Industry Compliance Reserves.

West Chester and PSU set up 3-2 program

West Chester State College and Penn State have established a 3-2 program of collegiate education in the liberal arts and engineering. It will enable students from West Chester to qualify for appropriate dual baccalaureate degrees, normally at the end of five years. Dr. N. J. Palladino, dean of the College of Engineering, explains.

Three years, or the equivalent, will be spent at West Chester, studying liberal arts subjects along with pre-engineering courses in the basic sciences. Upon satisfactory completion of this part of the program, the student will spend two years, or the equivalent, at Penn State, completing specified engineering courses.

Other Pennsylvania colleges with similar cooperative programs with Penn State include Albright, Elizabethtown, Gettysburg, Juniata, Lycoming, Saint Vincent, Seton Hill, and Westminster; Lincoln University; and eight of the State Colleges: California, East Stroudsburg, Edinboro, Lock Haven, Mansfield, Millersville, Shippensburg, and Slippery Rock.

"The program," Dean Palladino said, "is particularly useful to students undecided about their future, particularly those who feel not ready for a large institution. If, at the smaller, non-engineering college, the student finds college mathematics and engineering uncongenial, he or she can shift to a program with less emphasis on science, without the need of transferring elsewhere."

"In general," Dean Palladino continued, "the student who wishes a taste of life in a smaller college, and who is willing to devote five years to an undergraduate education, may well find the plan suited to his or her needs."

Advantages to students, Dean Palladino explained, are that there is a planned course sequence which guarantees acceptance at an engineering college; students undecided about career direction save educational time; and living expenses are reduced because students very often can study near their homes for the first three years.

The engineering colleges benefit as well. Dean Palladino continued, because the 3-2 program provides mature, highly-selected students who have had a chance to determine their career choice; because these students sometimes help fill vacancies caused by attrition of freshmen and sophomores; and because the transfer

students have a broadening effect on regular engineering students.

Despite these advantages and the fact that more colleges are interested in participating, Penn State is not now actively seeking more 3-2 arrangements, Dean Palladino said. He explained that the University is experiencing a large upsurge in engineering enrollments and has neither the funds nor the laboratory facilities to handle more students.

1979 meeting dates approved

Dates for Trustees' meetings to be held in 1979 have been approved. Except where noted otherwise, the meetings will be held at University Park.

Meetings are scheduled for Jan. 19 and 20; March 23 and 24 at Hershey; May 24 and 25, July 20 and 21 at New Kensington; Sept. 20 and 21; and Nov. 15 and 16.

The 1978 schedule, approved a year ago, includes meetings on March 17 and 18 at Hershey; May 25 and 26; July 21 and 22 at Hazleton; Sept. 21 and 22; and Nov. 9 and 10.

The Board on Saturday also designated May 25, 1978, as the date for the delegate election of trustees and for counting the ballots in the alumni election. The Board will meet on May 25 and 26 and spring term commencement exercises will be held on May 27. The charter of the University specifies the election of trustees shall be held commencement week, and on such day prior to the exercises as the Board may determine.

Gas Lab addition go forward

The Trustees approved final plans for the construction of an addition to the High Pressure Gas Laboratory at the University Park Campus and authorized the asking of bids and awarding of contracts for work to be done by the Office of Physical Plant. An allocation, not to exceed \$154,300, from funds available in the Risk Insurance Reserve, has been authorized for the project.

The plans and allocation had been presented to the Board last July, but design changes necessitated a second presentation.

1978-79 appropriation

(Continued from page 1)

The Pennsylvania Department of Education, based on the recommended increase for the University in the Governor's 1977-78 Executive Budget. The actual 1977-78 State appropriation is \$3,002,000 less than the amount recommended by the Governor.

Dr. Oswald said the University must ask for restoration of this \$3,002,000 in addition to the funds sought to cover inflationary cost increases for 1978-79.

Penn State has trimmed back its expenditures by nearly \$15 million over the last six years, cutting back \$4.6 million in the current year.

Primary emphasis in the appropriation request has been put on provisions to cope with continued inflation. These include the need for salary adjustments to maintain current purchasing power for employees, as well as the need to cover the increased costs of supplies and services, fuel and utilities.

Noting that the cumulative impact of inflation between 1972-73 and 1976-77 is estimated to be 41.6 percent, Dr. Oswald said Penn State's appropriation increased by only 28.9 percent during this four-year period, with no increase for the current year.

An increase in the per capita appropriation was requested for Doctor of Medicine students from the present level of \$7,465 to \$11,348. The per capita appropriation for medical education has not changed since 1971-72, while during the same period tuition has increased by 300 percent.

Also an increase in appropriated funds for student aid is requested to offset partially the impact of recent tuition increases. The appropriation for student aid has not changed since 1973-74.

Haskins and Sells designated as accountants

The Trustees have authorized the employment of Haskins and Sells, of Philadelphia, certified public accountants, to perform an annual audit of the accounts of the University for the year ending June 30, 1978.

In addition to this audit, University accounts are examined and audited on a continuing basis by federal government and State government auditors, as well as by the internal auditing staff of the University.

Senate discusses

(Continued from page 1)

The reason for the one-term wait, according to Warren R. Haffner, director of the Division of Admissions, Records, and Scheduling, is that many students dropped from their degree programs do not understand the seriousness of the action.

"At least 20 percent of those dropped from degree status last term didn't know what had happened to them," he said. "I personally feel we have to do something to let these people and their parents know that they're in academic difficulty."

New Social Security taxes shown below

Congress has approved Social Security financing legislation which will substantially increase the Social Security tax over the next decade and will maintain parity between the employers' and employees' payments.

The table below lists the tax rates and salary bases in the new law:

	Tax Rate	Salary Base	Maximum Withheld
1978	6.05%	\$17,700	\$1,071
1979	6.13	22,900	1,404
1980	6.13	25,900	1,588
1981	6.65	29,700	1,975
1982	6.70	31,800	2,131
1983	6.70	33,900	2,271
1984	6.70	36,000	2,412
1985	7.05	38,100	2,486
1986	7.15	40,200	2,874
1987	7.15	42,600	3,046

Changes in Rules on Academic Dishonesty

The University Faculty Senate, after appropriate study, recommended changes in Academic Policies and Procedures for Undergraduate Students. These changes affect not only the Academic Policies and Procedures for Undergraduate Students but also the Discipline System. The academic policies and Discipline procedures with regard to Academic Dishonesty are listed below with the changes in capital letters. The President has approved the changes for immediate implementation.

1. Changes in Rules on Academic Dishonesty
 - 47-00, 48-00, and 49-00 GRADES
 - 47-20 Basis for Grades
 - Grades shall be assigned to individual students solely on the basis of the instructor's judgment as to a student's scholastic achievement as set forth in Policy 47-60 (FOR THE ASSIGNMENT OF GRADES IN CASES OF ACADEMIC DISHONESTY, SEE POLICY 49-20).
 - 48-20 Failure to Complete a Course
 - When a student officially drops a course within the first twenty-one days of a term, no symbol or grade of any kind is to be reported.
 - When a student officially drops a course after the first twenty-one days of a term, a symbol of WF, WF, or WN, according to the policies of Section 34-89, is to be reported.
 - When a student registers for a course but ceases to attend class without officially dropping the course, the student is to be given a grade of F in the course.
 - When a student officially withdraws from the University in accordance with Section 56-30, the symbol W shall be reported for each course, UNLESS AN ACCUSATION OF ACADEMIC DISHONESTY HAS BEEN MADE AGAINST THE WITHDRAWING STUDENT. IN SUCH A CASE, POLICY 49-20 SUPERSEDES THE ASSIGNMENT OF THE SYMBOL "W" IN THAT COURSE.
 - A symbol of W shall be recorded for unsatisfactory attendance in an audited course in accordance with Section 48-80.

CHANGE POLICY 49-20 TO READ AS FOLLOWS:

IF A STUDENT DOES NOT CONTEST AN ACCUSATION OF ACADEMIC DISHONESTY, THE INSTRUCTOR MAY DROP THE STUDENT FROM THE COURSE. IF THE STUDENT DROPPED FROM THE COURSE, THE GRADE WILL BE RECORDED AS "F." IF A STUDENT IS ACCUSED OF ACADEMIC DISHONESTY AND DOES NOT CONTEST THE ACCUSATION, THE STUDENT WILL NOT BE ALLOWED TO DROP THE COURSE UNDER POLICY 34-89, NOR WILL THE SYMBOL "W" BE REPORTED FOR THE COURSE IF THE STUDENT WITHDRAWS FROM THE UNIVERSITY UNDER POLICY 56-30. IF A STUDENT IS ACCUSED OF ACADEMIC DISHONESTY AND DECIDES TO APPEAL, IF THE INSTRUCTOR THROUGH THE UNIVERSITY APPEAL PROCEDURE, THE STUDENT WILL NOT BE ALLOWED TO DROP THE COURSE UNDER POLICY 34-89, NOR WILL THE SYMBOL "W" BE REPORTED FOR THE COURSE IF THE STUDENT WITHDRAWS FROM THE UNIVERSITY UNDER POLICY 56-30. IF THE APPEAL PROCEDURE HAS NOT BEEN COMPLETED BY THE END OF THE TERM, THE SYMBOL OF "DF" SHALL BE ENTERED ON THE STUDENT'S TRANSCRIPT UNTIL THE APPEAL PROCEDURE IS COMPLETED. FOLLOWING THE PROCEDURES FOR ADJUDICATION OF CASES OF ALLEGED VIOLATIONS OF UNIVERSITY REGULATIONS, IF THE INSTRUCTOR TAKES ACTION OTHER THAN THAT RECOMMENDED BY THE UNIVERSITY HEARING BOARD, THE STUDENT MAY APPEAL TO THE DEAN OF THE COLLEGE IN WHICH THE VIOLATION OCCURRED. IF NOT RESOLVED AT THAT LEVEL, THE UNIVERSITY PROVOST SHALL MAKE THE FINAL DECISION.

UNIVERSITY HEARING BOARD

A. JURISDICTION

When a discipline board recommends an academic sanction, the director of the Office of Conduct Standards shall transmit the recommendation(s) to the INSTRUCTOR OF THE COURSE in which the alleged violation occurred. IF THE INSTRUCTOR OF THE COURSE takes action other than that recommended by the board, the student may appeal TO THE DEAN OF THE COLLEGE IN WHICH THE VIOLATION OCCURRED. IF NOT RESOLVED AT THAT LEVEL, THE UNIVERSITY PROVOST SHALL MAKE THE FINAL DECISION.

F. ACADEMIC SANCTIONS

Academic sanctions are actions which affect the student's grade and/or enrollment in a course in which an act of academic dishonesty was committed. When a discipline board recommends an academic sanction, the director of the Office of Conduct Standards shall forward the recommendation TO THE INSTRUCTOR OF THE COURSE in which the alleged violation occurred. IF THE INSTRUCTOR takes action other than that recommended by the board, the student may appeal to the DEAN OF THE COLLEGE IN WHICH THE VIOLATION OCCURRED. IF IT IS NOT RESOLVED AT THAT LEVEL, THE UNIVERSITY PROVOST SHALL MAKE THE FINAL DECISION.

University Park Calendar

Jan. 19 — 29

Special Events

Thursday, Jan. 19

HUB Craft Center course registration for classes to begin week of Jan. 23. Information: 863-0641

FSHA, French Dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Comp. Lit. film series, *Ugetsu*, Japanese with English subtitles, 7 and 9 p.m., Room 112 Kern.

University Reads, dramatized readings of William Tenn stones, 7:30 p.m., HUB assembly hall.

Central Pa. Society of the Archeological Institute of America, Arielle Kozloff, Cleveland Museum of Art, on "International Politics and Art of Tutankhamen's Egypt," 8 p.m., Room 101 Kern.

Colloquy, "Visions of Tomorrow," Brian O'Leary, Princeton University, on "Exploring New Worlds and Living in Outer Space," 8 p.m., HUB ballroom.

University Theatre, Milan Stitt, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Friday, Jan. 20

Colloquy, "Visions of Tomorrow," Ronald Abler, geography, on "Communications and Cities in the Future," 11 a.m., HUB main lounge; Philip Klass, English, on "The Clouded Crystal Ball — Unexpected Futures and Crazy Tomorrows," 1 p.m., HUB main lounge.

Quaker Club annual banquet, 6:30 p.m., HUB ballroom.

Jewelry and metalsmith workshop, David M. LaPlantz, Kent State University, 7:30-9:30 p.m., Room 101 Chambers. Free admission.

Sports: men's basketball, vs. Massachusetts, 7:30 p.m., (EAA game), main gym, Rec. Bldg. University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Artists Series, New York, Renaissance Band, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 21

Sports: men's fencing, vs. William Paterson and Ohio State, 9 a.m., Rec. Bldg.; men's and women's bowling, vs. Bloomsburg, 1 p.m., Rec. Bldg.; women's fencing, vs. Ohio State, 1 p.m., White Bldg.; women's swimming, vs. Pittsburgh, 1:30 p.m., and men's swimming, vs. Pittsburgh, 4 p.m., both at Natatorium. Eco-Action recycling, 10 a.m.-3 p.m., parking lot K83 (behind flower gardens) and Boalsburg Fire Hall.

france-cinema, "International Animation Festival," 7 and 10 p.m., and Resnais, *Last Year at Marienbad*, French with English subtitles, 8:30 p.m., Room 112 Kern.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

David Vogel, viola, 8:30 p.m., Music Bldg. recital hall.

Sunday, Jan. 22

Sports: men's volleyball, Nittany Lion Invitational, 9 a.m., Rec. Bldg.

University Chapel service, Dr. Theodore Kiffer, FSU, 11 a.m., Eisenhower Chapel.

Central Pa. Scholastic Art Awards, noon, Rooms 101 and 112 Kern.

Shaver's Creek Nature Center, Family Nature Movies, 2 p.m., Stone Valley

france-cinema, "International Animation Festival," 7 and 10 p.m., and *Last Year at Marienbad*, 8:30 p.m., Room 112 Kern.

Monday, Jan. 23

Coaly Society Speaker's Contest, 6:30 p.m., HUB assembly hall.

Shakespeare film, *King Lear* (Kozintsev), 6:30 p.m., Room 317 Willard.

Comp. Lit. film series, Kenneth Clark, "Civilization, Grandeur and Obedience — Rome in the 17th Century, Center of Counter Reformation and the Baroque Style," 7 p.m., Room 101 Kern. Free admission.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Sports: women's gymnastics, vs. Southwest Missouri State, 8 p.m., Rec. Bldg.

Tuesday, Jan. 24

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Peirce Lewis, geography, on "Signs on the Land."

Sports: women's swimming, vs. West Chester,



4 p.m., Natatorium; women's basketball, vs. Pittsburgh, 7 p.m., White Bldg. FSHA, American Dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441. Coaly Society Speaker's Contest, 6:30 p.m., HUB assembly hall.

Shakespeare film, *King Lear* (Brook/Scofield), 6:30 p.m., Room 101 Chambers.

English colloquium, Judd B. Arnold, English, on "Troilus's Betrayal of Cressida: Another Reading of Shakespeare's *Troilus and Cressida*," 8 p.m., Room 101 Kern.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

ERM Club lecture, Peter Harnik, Environmental Action, on "Energy, Environment and Jobs," 7:30 p.m., Room 301 HUB.

E&MS Student Council lecture, Robert E. Newnham, solid state science, on "Gemstones," 7:30 p.m., Room 112 Walker.

Wednesday, Jan. 25

Coaly Society Speaker's Contest, finals, 6:30 p.m., HUB assembly hall.

Commonplace Theatre, *Emperor of the North*, 7:30 and 9:30 p.m., Room 112 Kern.

Penn State Federal Credit Union annual meeting of members, 7:30 p.m., Room 101 Kern.

SILP/LAN American Studies, Cuban film, *Memories of Underdevelopment*, Spanish with English subtitles, 8 p.m., Room 101 Chambers. Free admission.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 26

Last date for submission of spring term reserve reading lists, Room W2, Patten.

FSHA, Chinese Dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441.

Comp. Lit. film series, *Open City*, Italian with English subtitles, 7 and 9 p.m., Room 112 Kern.

GSA, Financial Aid workshop, 7:30 p.m., Room 101 Kern.

Japanese language and literature films, "Japan in the Winter," "Shikuo Nakata — Master of Wood Block Prints," "Noh Play — Aoi No Ue," and "An Introduction to Kabuki Theatre," 7:30 p.m., HUB assembly hall.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Friday, Jan. 27

Campus 4-H Club Square Dance, 8 p.m., HUB ballroom.

Sports: gymnastics, vs. York (Canada), 8 p.m., Rec. Bldg.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Saturday, Jan. 28

Shaver's Creek Nature Center, Adventure Series, for children 7 and older, 10 a.m.-3 p.m.; Fireside Reading, 8 p.m., Stone Valley.

Sports: women's basketball, vs. Rutgers, 2 p.m., White Bldg.; men's basketball, vs. Pittsburgh, (EAA game), 7:30 p.m., Rec. Bldg.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 29

University Chapel service, The Rev. Charles L. Coleman, religious affairs, 11 a.m., University Chapel.

USG/Flea Market, noon-9 p.m., HUB ballroom.

Shaver's Creek Nature Center, History Walk, 2 p.m., Stone Valley.

france-cinema, Robert, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.



Seminars

Thursday, Jan. 19

Computation Center, "Text Processing," (2 of 4), introductory programming background suggested, 7:30 p.m., Room 102 Forum.

Computation Center, "Graphics," (2 of 4), no prerequisite, 7:30 p.m., Room 110 Osmond.

Monday, Jan. 23

Biochemistry and Biophysics, Larry Ewing, Johns Hopkins University, on "The Control of Spermatogenesis by Steroid Filled, Subdermal, Polydimethylsiloxane Implants," 3:55 p.m., Room 101 Althouse.

Computation Center, "Text Processing," (3 of 4), introductory programming background suggested, 7:30 p.m., Room 102 Forum.

Computation Center, "Graphics," (3 of 4), introductory programming background suggested, 7:30 p.m., Room 110 Osmond.

Tuesday, Jan. 24

ARL, D. R. Stinebrink on "Cavitation Damage," 10:45 a.m., Walker conference room, Applied Science Bldg.

Biochemistry and Biophysics, Larry Ewing, Johns Hopkins University, on "Androgen Secretion by *In Vitro* Perfused Testes," 11:10 a.m., Room 101 Althouse.

Food Science, Susan Freas on "The Effect of Skin Contact Time on the Quality of White Wines," 11:10 a.m., Room 201 Boland.

Computation Center/Computer Science, Francis Vastola, fuel science, on "Mini-Micro Computer Network Systems," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Joseph V. Radziul, Philadelphia Water Department, on "Trace Organics and Carcinogenicity," 2:20 p.m., Room 128 Sackett.

Genetics, Allan A. Grunder, Animal Research Branch, Dept. of Agriculture, Ottawa, Canada, on "Genetic Control of Electrophoretic Variants of Enzymes in Pigs, Chickens and Turkeys," 3:55 p.m., Room S2 Frear.

Meteorology, Frank Dachtile, geochemistry and mineralogy, on "Meteoritic Impact — A Factor in Climatic Changes," 3:55 p.m., Room 112 Walker.

Plant Pathology, Barry Nolt on "Host Derived Nucleic Acid Degrading Enzymes in a Resistant Plant-Pathogen Interaction — Ribonuclease," 3:55 p.m., Room 333 Whitcomb.

Nuclear Engineering, Frank Schweornt, Standardized Nuclear Utility Power Plant System, on "The Role of the Standardized Nuclear Plant in Accelerating the Licensing Process," 4 p.m., Room 225 EE West.

Thursday, Jan. 26

Chemistry, William H. Miller, University of California, Berkeley, on "The Semicalical Nature of Atomic and Molecular Collisions," 12:45 p.m., Room 333 Whitcomb.

Agronomy, Rahmatullah on "Magnesium Availability to Corn from Several Pennsylvania Soils," 3:55 p.m., Room 111 Tyson.

Microbiology and Cell Biology, Stephen L. Barclay, MIT, on "Genetic Analysis of the Cyclic AMP Catabolism System in *Dictyostelium discoideum* and Its Role in Morphogenesis," 4 p.m., Room S2 Frear.

Philosophy, John Anderson, Ewen Pugh Professor of Philosophy, on "Why Categories?" 4 p.m., Room 69 Willard.

Computation Center, "Text Processing," (4 of 4), introductory programming background suggested, 7:30 p.m., Room 102 Forum.

Computation Center, "Graphics," (4 of 4), introductory programming background suggested, 7:30 p.m., Room 110 Osmond.

Exhibits

Chambers Gallery: Molly Terrill, paintings, and FSU art students, glass, both through Jan. 25.

HUB Gallery: Rowan P. Smolcha, "The Shy People," photographs.

Kern Commons Gallery: Central Pa. Scholastic Art, through Jan. 28. Harley Straus, photographs, and Glenn Ziemke, glass, both open Jan. 28.

Museum of Art: "The First Five Years," an anniversary show of selections from the permanent collection.

Zoller Gallery: student painting exhibit, opens Jan. 24.

WPSX Highlights

The significance of the Nazi party and the Ku Klux Klan in the United States and media coverage of extremists groups are explored Saturday, Jan. 21, at 8 p.m. on **The Extremists: American Nazis and the KKK**. The special hour-long program is moderated by Roger Wilkins of The New York Times and includes excerpts from a recent controversial edition of **Black Perspective on the News**, as well as segments from a film on alleged Nazi activity at a Houston high school.

Members of the panel include: Seymour Martin Lipset, author of *The Politics of Unreason*; Irwin Sussell of the B'nai B'rith's Anti-Defamation League; and Bruce Ennis of the American Civil Liberties League.

Talkabout begins a two-part look at the problem of rape in Central Pennsylvania, Tuesday, Jan. 24, at 7:30 p.m. State College psychologist JoAnn Farr considers the causes, impact, and frequency of rape in rural areas and small towns on the first program, **Rape: The Aggressive Crime**.

On Tuesday, Jan. 24, at 8 p.m., Terence Knapp stars in **Damien**, a powerful one-character drama about the work of Father Damien de Veuster, who went to Hawaii in the late 1800s to work with the lepers of Molokai Island. Written by Honolulu playwright Aldyth Morris, the play is a monologue delivered by Damien as he watches his own funeral procession, which was ordered by King Leopold of Belgium as a kind of hero's welcome — 50 years after the priest's death.

The events leading to and surrounding the 1970 terrorist crisis in French Canada are recreated Tuesday, Jan. 24, at 9:30 p.m. in a special 90-minute program, **Action: The October 1970 Crisis**, produced by the National Film Board of Canada. The program delves into the controversial issue of martial law, which was declared by the Canadian government after British attaché James R. Cross and Quebec Minister of Labor Pierre Laporte were kidnapped by the FLQ (*Le Front de Liberation du Quebec*).

In the first of two programs on the "space age," **Nova** examines the 12-year struggle to get a man on the moon after Sputnik started the race in 1957. Its history of the moon race, **Nova: One Small Step**, can be seen Wednesday, Jan. 25, at 8 p.m.

Sissy Spacek stars on **Great Performances** Wednesday, Jan. 24, at 9 p.m. in Paul Gallico's *Vern: U.S.O. Girl*. The play is a warmhearted and realistic portrait of a stage-struck but not very talented U.S.O. performer who wants a career in show business.

Public television's award-winning public affairs series, **The Advocates**, returns to Channel 3 Thursday, Jan. 26, at 9 p.m. Using a mock-trial debate format, the series will see live every other week. The first question to be debated is "Should the federal government end programs of preferential treatment for women and minorities?"

1978-79 Leaves of Absence Approved

College of Agriculture

Robert C. Bealer, professor of rural sociology, to develop a monograph on the relationship between sociological theory and rural sociology.

Robert B. Beelman, associate professor of food science, to study aspects of grape culture, fermentation, and wine production at UC-Davis.

James E. Brewer, associate professor of ornamental horticulture, to study outstanding horticultural education programs in England.

Samuel M. Curtis, associate professor of agricultural education, to serve as a Visiting Scholar at the National Center for Vocational Education at Ohio State University.

Donald D. Davis, associate professor of plant pathology, to study the effects of sulphur dioxide on vegetation at the Institute of Plant Protection, Wageningen, The Netherlands.

David R. DeWalle, associate professor of forest hydrology, to study watershed problems and practices in New Zealand.

John L. George, professor of wildlife management, to study the effects of DDT on whitetail deer and to develop written reports on elk, the bald eagle, and the osprey in Pennsylvania.

James S. Holt, professor of agricultural economics, to study labor-management conflict avoidance and resolution mechanisms within agriculture.

Frederick A. Hughes, project leader — farm management Extension coordinator of agricultural programs, to research manuscript development and prepare educational materials in the areas of estate planning and farm appraisal.

Gerald L. Jubb Jr., associate professor of entomology, to complete research and manuscript on insects injurious to grapes in eastern United States.

Nuri N. Mohsenin, professor of agricultural engineering, to conduct research on physical properties of food and agricultural materials in Israel, Germany and England.

Charles W. Rutschky III, professor of entomology, to investigate new developments in entomology with particular emphasis on their implications for undergraduate instruction.

L. Dwight Schwartz, professor of veterinary science Extension, to develop health related materials on important livestock and poultry diseases in conjunction with the Federal Extension Veterinarian.

College of Arts and Architecture

John A. Cook, professor of art, to develop a series of outdoor monumental sculptures.

Gideon Golany, professor urban and regional planning, to study urban and regional planning at Hebrew University.

William G. King, associate professor of landscape architecture, to study the design and construction of three greenbelt towns.

George S. Zoretich, professor of art, to develop paintings, drawings, and prints.

College of Business Administration

Sumer C. Aggarwal, professor of management science, to pursue studies on productivity.

Joseph F. Bradley, professor of finance, to study pollution abatement revenue bonds issued in Pennsylvania.

Gary A. Kochenberger, professor of management science, to study network theory at the University of Colorado.

Capitol Campus

Elmer N. Lear, professor of social science and education, to examine the theoretical undercurrents in the establishment of Israel.

The Commonwealth Campuses

Luis F. Gonzalez-Cruz, associate professor of Spanish, New Kensington, to study African influences in Latin American culture and literature.

Evelyn A. Hovane, associate professor of English, Fayette, to develop an anthology of modern literature with bibliography.

Kenneth M. Kuhn, associate professor of art, Altoona, to develop a creative application of the more pattern as a source of visual movement on relief surfaces.

G. Fred Riemann Jr., assistant professor of philosophy, Ogontz, to translate the *Mo Ching* and compare this work to Western semantics and logic.

Eugene R. Slaski, assistant professor of history, Allentown, to complete a biography of Thomas Willing and a study of the Waldens of the Port of Philadelphia.

James B. Uhl, associate professor of engineering, York, to study remote sensing, with particular application to agriculture.

Narayanansamy Viswanathan, associate professor of chemistry, Fayette, to study the electrolytic deposition of silicon on metal substrates and the role of time in a new process for converting coal to clean fuels and chemical feedstocks.

College of Earth and Mineral Sciences

Richard C. Bradt, professor of ceramic science, to study at the National Defense Academy of Japan in areas related to ceramic science.

Rosa G. de Pena, associate professor of meteorology, to study aspects of atmospheric chemistry at Johann Wolfgang Goethe University and Max Planck-Institute, Germany.

Roger M. Downs, associate professor of geography, to study cognitive mapping and spatial thinking.

John A. Dutton, professor of meteorology, to study nonlinear atmospheric dynamics and statistical formulations of wind characteristics at two Danish institutions.

R. H. Essenhigh, professor of fuel science, to study fuel efficiency and reaction characteristics of coal and carbon at the University of Newcastle, England.

Laxman N. Mulay, professor of solid state science, to study the theory and applications of intense magnetic fields and use of SQUID technique for measuring magnetic properties of various materials and processes at the Naval Research Laboratory, Washington, D.C.

Robert E. Newnham, professor of solid state science, to study applications of piezoelectric materials at Oxford University.

Karl E. Spear, associate professor of ceramic science, to study thermochemical property calculations using the exact relationship between phase diagrams and thermodynamics at Oxford University.

College of Education

William Bradley, associate professor of art education, to study the role of visual memory in the training of artists.

J. David Boyle, professor of music education, to study the environmental and sociological influences on the development of musicality in England.

Ralph T. Heimer, professor of education, to study the problems and prospects of employing a Plato-like technology for instructional improvement in selected Australian universities.

Sebastian V. Martorano, professor of education and research associate, to study cross-cultural relationships in decentralization of post-secondary education.

Robert M. Smith, assistant provost and professor of special education, to study the reciprocal influences of handicapping conditions.

Yoshimitsu Také, associate professor of education and sociology, to pursue an institutional analysis of the Malaysian school system.

College of Engineering

Robert M. Bamoff, professor of civil engineering, to study the relationship between the ultimate strength and modulus of elasticity of concrete at early ages.

J. L. Duda, professor of chemical engineering, to study mass transportation in polymer blends at Taiwan National University.

David B. Geselowitz, professor of bioengineering, to study the quantitative relationship between electrical sources in heart muscle cells and the body surface electrocardiogram at Duke University.

Inyoung Ham, professor of industrial engineering, to study group technology in Japan and Europe.

Budgur Lakshminarayana, professor of aerospace engineering, to study the Boundary Layer, Wake, an unsteady flow measurement in high speed compressors, at two West German universities.

Joseph Stach, associate professor of electrical engineering, to study the utilization of advance process technology to achieve specific device characteristics at the University of Michigan.

James C. Wambold, associate professor of mechanical engineering, to study ride characteristics using the amplitude-frequency distribution method at the Federal Highway Administration.

College of Health, Physical Education and Recreation

Chauncey A. Morehouse, professor of physical education, to study traction and torque developed by different types of footwear on artificial turf at the Institut fur Bromechanik, West Germany.

College of Human Development

Paul B. Baltes, professor of human development, to study areas related to life cycle and problems of aging at the Center for Advanced Study in the Behavioral Sciences.

Daniel Katkin, associate professor of law, to study the social history of the rehabilitative ideal of penology at Yeshiva University.

Marshall W. Raffel, professor of health planning, to pursue studies in selected European countries on the planning, organization, and financing of health services.

Hugh B. Urban, professor of human development and psychology, to complete a manuscript concerned with the principles of human service system design and development.

University Libraries

Catherine Ann Carter, associate librarian, cataloging, to study the effectiveness of two systems of bibliographical subject analysis: Library of Congress subject headings and precis indexing.

Wasyli Orest Luciv, librarian, Slavic library program, to develop original manuscripts in the area of American studies and to update the annotated bibliography of *History of Rus Ukraine*.

College of the Liberal Arts

Henry S. Albinski, professor of political science, to pursue studies in Australia on the United States-Australian alliance.

Thomas W. Benson, professor of speech communication, to develop a theoretical model for the rhetorical criticism of nonoratorical forms.

Elmer W. Borklund, associate professor of English, to develop a critical monograph on contemporary criticism in the United States and England.

Eugene N. Borza, associate professor of history, to do research on ancient Macedonia and Alexander the Great.

Barton W. Browning, associate professor of German, to do research at the Dircal Library, West Germany.

Napoleon A. Chagnon, professor of anthropology, to continue the Yanomamo research project at Cambridge University.

Herman Cohen, professor of speech communication, to pursue a systematic study of how the focus and emphasis of research in speech communication has changed.

Gordon F. De Jong, professor of sociology, to perform research on the development of a non-economic theory of migration.

Grant N. Farr, professor of economics, to pursue studies in American economic history.

Harvey R. Gilbert, associate professor speech communication, to study factors contributing to poor intelligibility in hearing impaired speech at University College, London.

James B. Herendeen, professor of economics, to do research on the theory of the banking firm, the theory of investment, and stabilization policy.

Robert LaPorte Jr., professor of public administration, to research the basic needs quality of life approach in three South Asian countries.

Robert F. Lima Jr., professor of Spanish and comparative literature, to develop the translation of *La lampara maravillosa* and publication of a new edition of *An Annotated Bibliography of Ramon del Valle-Inclan*.

Leon F. Lyday III, professor of Spanish, to prepare a manuscript on the theatre of the Brazilian Alfredo Dias Gomes.

Robert K. Murray, professor of American history, to complete a manuscript entitled, *Death in a Hole; The Story of Floyd Collins*.

Robert E. O'Connor, associate professor of political science, to pursue studies on the implementation and impact of the Voting Rights Acts of 1965, 1970 and 1975.

Charles S. Prebish, associate professor of religious studies, to do research in Japan and at the University of California on the problem of Buddhist ethics in the modern world.

Joseph G. Price, professor of English, to complete a manuscript which investigates Shakespeare's concept of tragedy.

John H. Riew, professor of economics, to research the role of fiscal policy on the industrialization process in a rapidly expanding economy.

William R. Schmalstieg, professor of Slavic languages, to develop a manuscript on comparative Indo-European linguistics.

Dan P. Silverman, associate professor of history, to study in London and Paris on Britain and France in the aftermath of World War I.

Alfred A. Triolo, associate professor of Spanish and Italian, to pursue research at the Cornell University Library and at the Vatican Library on the application of the capital sin system in Dante's *Purgatorio*.

Donald P. Verene, associate professor of philosophy, to develop a manuscript on *Vico's* philosophy of imagination.

Patricia A. Ward, associate professor of French and comparative literature, to develop a manuscript comparing the thematics of time and the stylistic implications of the theme of time in the Romantic Lyric.

College of Medicine

Cheston M. Berlin Jr., professor of pediatrics and pharmacology, to study drug distribution in human breast tissue and milk at the University of Pennsylvania.

John D. Connor, professor of surgery, to study the cellular and molecular pharmacology of psychoactive drugs at the University of London.

Stanley L. Gordon, associate professor of surgery, to study hand surgery at the Institute De La Main, France.

David M. Leeman, associate professor of medicine, to study at the Thorax Center, Erasmus University, Rotterdam, The Netherlands.

Rodrigue Montel, professor of obstetrics and gynecology, to study progesterone receptors in human endometrial adenocarcinoma at the University of Paris.

James R. Neely, professor of physiology, to do research on the recovery of ischemic heart muscle at Erasmus University, Rotterdam, The Netherlands.

College of Science

George E. Andrews, professor of mathematics, to study the theory of partitions at the University of New South Wales, Stanford University, and The University of Aberdeen.

Frank Deutsch, associate professor of mathematics, to study the relationships between the geometry of a branch space and approximation-theoretic properties of certain of its subsets at Johann Wolfgang Goethe University, Germany.

Thomas E. Feuchtwang, professor of physics, to study spin polarization electron emission from 3-d transition metal ferro-magnets and electron tunneling phenomena in the presence of a nonlocal effective interaction at the Israel Institute of Technology.

Gordon N. Fleming, professor of physics, to study the Mill Plane Formulation at the Massachusetts Institute of Technology.

Moses Glasner, associate professor of mathematics, to study function theory and potential theory at UC-San Diego.

Peter H. Maserick, associate professor of mathematics, to study choquet theory and harmonic analysis at the University of Copenhagen.

Roy A. Olofin, professor of chemistry, to study the physical organic chemistry of the bonding in Group IVa elements attached to carbon at UC-San Diego.

Paul Todd, professor of biophysics, to study intercellular links at the Institute for Medical Oncology, Moscow; Gade Institute for Pathology, West Germany; and the Institute of Biochemistry, Sweden.

Joseph J. Villafra, associate professor of chemistry, to study the application of synthetic inorganic techniques in synthesizing substitution-inert metal-substrate complexes at Oxford University.

James E. Wright Jr., professor of genetics, to serve as a Senior Scientist-Visiting Professor at the School of Fisheries, Kitasato University, Japan.

Berttram Yood, professor of mathematics, to study operator theory at Tel-Aviv University.

Penn State Intercom

News in Brief

Faculty Club invites visitors to drop in Feb. 3

The Faculty Club invites the University community to visit the club on Friday, Feb. 3. For those who are interested in joining the club, this visit will enable them to find out about the facilities and services offered.

Lunches are available from 11:30 a.m. to 1:30 p.m., costing between 75 cents and \$4. A reception for prospective members will be held between 4 and 7 p.m. Tea or coffee can be had in the library, wine and cheese will be served in the Fireside Lounge, and beer and pretzels will be available in the Speakeasy Lounge.

Dinner will be served in the dining room between 6 and 8 p.m. The meals range in price between \$4 and \$8.

USIA official to talk on US and Eastern Europe

John D. Scanlan, deputy assistant director for Europe of the United States Information Agency, will present a public lecture at the University at 2:30 p.m. on Friday, Jan. 27.

His topic will be "The United States and Eastern Europe," and he will speak in Room 124 Sparks Bldg.

Mr. Scanlan, who recently returned from a tour of Moscow, Leningrad, Warsaw, Budapest and Prague, has been a Foreign Service officer with the Department of State for 22 years. He is currently posted to Washington, where he is on detail to the U.S. Information Agency and is responsible for USIA programs in the Soviet Union, Eastern

Europe, the Balkans, and Turkey.

A native of Minnesota and a graduate of the University of Minnesota (B.A. in history and M.A. in Russian Area Studies), Mr. Scanlan has spent most of his Foreign Service career working on Soviet and Eastern European affairs. He served for ten years in posts in Moscow, Warsaw, and Poznan.

Among his most recent assignments have been political counselor in Warsaw (1973-75), and special assistant to the director general of the Foreign Service (1975-76). He is a graduate of the Department of State's Senior Seminar in Foreign Affairs.

State's black collegians hold caucus this week

Black students and State legislators will convene this week at University Park for the Caucus of Pennsylvania Black Collegians, the first known statewide meeting of black students in the history of the Commonwealth.

A political symposium, the caucus will bring together members of black student organizations from all over the State from Jan. 26 through Jan. 28. Pitt, Dickinson, Bucknell, and Susquehanna are among the colleges and universities who are sending representatives, and many of Pennsylvania's black legislators will attend.

The symposium will include discussion workshops on such topics as black politics, higher education in Pennsylvania, student involvement in political struggle, communications, leadership, and racism at home and abroad.

(Continued on page 4)

President issues letter on energy plan

President John W. Oswald Monday released to University officials the following letter:

"The Pennsylvania Public Utility Commission has ordered that all utilities file an Emergency Energy Conservation Plan because of the current coal strike and the resulting dwindling reserve of coal for electric generation. West Penn Power and all other Pennsylvania utilities serving the University have now acted on this plan. In accordance with this, Step No. 1 of their emergency plans has been officially activated.

"In accordance with this first step, I have instructed the Office of Physical Plant to work through the building coordinators to take all appropriate steps with students, faculty and staff to eliminate immediately

all nonessential use of electricity. No new additional electrical equipment will be connected during the emergency unless approved by the University's Executive Energy Conservation Committee.

"Under Step No. 2, as outlined for the West Penn Power Company by the Public Utility Commission, and estimated to be effective on Jan. 30, the University is setting a goal to reduce consumption of electricity by 10 percent. Appropriate guidelines will be forthcoming.

"In the event, however, that the University cannot voluntarily reach the 10 percent goal, there will be specific directions issued on how and where activities will be curtailed.

"I appreciate your cooperation in this situation."

All employees to get benefits report

In the near future, each regular, full-time faculty and staff member appointed prior to Jan. 1, 1977, will receive a personal statement highlighting the major provisions of the comprehensive benefits program provided to faculty and staff members and their families by The Pennsylvania State University. Each individual's statement will be mailed to his or her home address and will provide basic information on the group life and health insurance programs, retirement, social security, accidental death and dismemberment insurance, disability benefits and worker's compensation. Also, an estimated dollar value of the benefits will appear on each statement.

President Oswald requested that these

statements be provided to faculty and staff members to describe more fully the benefits coverages for which they are eligible either currently, at retirement, or after death.

The information shown on the statements reflects data as of July 1, 1977, and includes salaries as increased effective that date. However, any changes in information since that date will not be reflected in the statement. For example, if an individual subsequently changed the amount of accidental death and dismemberment insurance, the change would not show.

In a few cases, the designated date of appointment may not be accurate. This

(Continued on page 4)

Pittsburgh Symphony to perform Feb. 3-4

Michael Tilson Thomas will conduct the Pittsburgh Symphony Orchestra during its sixth Artists Series residency at Penn State from Jan. 31 through Feb. 4.

Mr. Tilson Thomas, the music director of the Buffalo Philharmonic, will conduct the orchestra and the University Choirs in performances of Mahler's Symphony No. 2 in C minor. The concert will be performed at 8:30 p.m. on Friday and Saturday, Feb. 3 and 4, in Eisenhower Auditorium.

Diana Hoagland and Claudine Carlson will be the soloists.

The first performance of the Pittsburgh Symphony Orchestra concert on Feb. 3 is part of the Music Series and is sold out by subscription. However, there are tickets available for the Feb. 4 concert, and they will be on sale on Wednesday, Feb. 1, and Thursday, Feb. 2, at the Artists Series HUB booth and the Eisenhower Auditorium from 9 a.m. to 4 p.m. Phone orders on Master Charge and VISA cards may be phoned in by calling 863-0255 from 9 a.m. to 4 p.m. on the days of the sale only.

□

The Music Department has announced several public programs in connection with the week's residency on campus of the Pittsburgh Symphony Orchestra.

Leonard Feldman, associate professor of music and chairman of the Music

Department's special events committee, explains that in order to make best use of the orchestra, it will be utilized both as a full orchestra and as two smaller units, a chamber and an opera orchestra.

All events, unless otherwise indicated, will take place in Eisenhower Auditorium. No admission will be charged, and tickets will not be required.

From 3:30-6 p.m. on Tuesday, Jan. 31, the chamber orchestra will perform with student conductors and soloists.

From 8-10:30 p.m. Tuesday, the opera orchestra under the direction of Donald Johanos, associate conductor of the Pittsburgh Symphony, will hold an open, one-to-one rehearsal with the University Symphony. In this kind of event, members of the two orchestras are matched and sit next to each other during the performance.

From 10 a.m.-12:30 p.m. Wednesday, Feb. 1, student soloists will perform with the opera orchestra, under the direction of Mr. Johanos. From 2-4:30 p.m. on Wednesday, student soloists and conductors will work with the chamber orchestra. That evening at 7 p.m., Michael Tilson Thomas, who will be conducting the symphony orchestra in its Artists Series performances, will lecture on the Mahler symphonies, and at 8:30 p.m., Philip Meyers, the Pittsburgh's third horn player, will present a recital of French

(Continued on page 4)



Michael Tilson Thomas (above) will conduct the Pittsburgh Symphony Orchestra and the University Choirs in two performances of Mahler's Symphony No. 2 in C minor. Soloists are Diana Hoagland (top right) and Claudine Carlson (bottom right).



Penn Staters

Dr. John S. Nisbet director of the Ionosphere Research Laboratory, visited India from Dec. 28 to Jan. 13 as a guest of the Indian Committee for Space Research. He lectured at the Physical Research Laboratory, Ahmedabad; the National Physical Laboratory, New Delhi; and presented the keynote address on "The Dynamics of the Thermosphere" at the Space Sciences Symposium at Ahnra University, Waltair.

Three faculty members in the College of Arts and Architecture are currently having one-man shows.

David Rubello, assistant professor of art, is having a show of his paintings at the University of Michigan's Slusser Gallery, located in Ann Arbor. The invited show opened Jan. 7 and will continue through Feb. 4. Mr. Rubello's works were also featured recently in a one-man invitational at Albion College.

Steve Sherman, instructor in the Department of Art, has a one-man show of his paintings at the Landmark Gallery, Inc., in New York City. The show opened at the gallery, which is located at 469 Broome Street, on Jan. 14 and will continue there through Feb. 2. Mr. Sherman joined the University faculty last fall after serving as artist in residence at the Bronx Museum of Art.

An exhibition of 20 architectural drawings by **Julian Weiss**, assistant professor of architecture, opened at the A and A Gallery of Yale University's School of Architecture on Jan. 16. His one-man show will continue through Jan. 27. Mr. Weiss attended the Yale school in 1963 after receiving a degree in architecture from Penn State in 1962.

Provost Edward D. Eddy is among some 30 educational leaders called upon to contribute to the exchange of views published in a new book, *Leadership for Higher Education*. The volume was edited by Roger W. Heyns and published by the American Council on Education. Other prominent educators who share their practical experiences and reflections about the role of leadership in the volume are Theodore M. Hesburgh, Terry Sanford, Harold Howe II, Mary F. Berry, Patricia A. Graham and Stephen Horn.

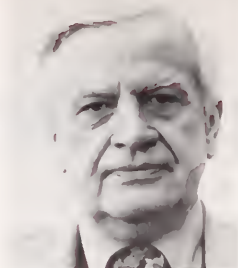
Dr. Ray Wahl, professor of vocational education, has been elected a Fellow of the American Academy of Safety Education for outstanding service and contributions to safety education.

Dr. Gerd M. Rosenblatt, professor of chemistry, has been appointed to a three-year term on an Oak Ridge National Laboratory advisory committee established to plan a new high temperature materials facility. In addition, he has been re-appointed to a second three-year term as chairman of the review committee for the Chemical Engineering Division of the Argonne National Laboratory.

During winter term, Dr. Rosenblatt was an invited speaker at the University of Kentucky, the High Temperature Science and Solar Thermal Test Facilities Operators Workshop, Bell Telephone Laboratories, and the Los Alamos Scientific Laboratory.

Dr. Richard H. Heindel has retired from Capital Campus with the title professor emeritus of international relations. Dr. Heindel came to Capital in 1967 as its first Dean of Faculty and served in that capacity until 1973 when he assumed full-time teaching and research duties.

He had previously served Pratt Institute



Dr. Heindel



Dr. Hale

and Wagner College as president, and the University of Buffalo as vice-chancellor. His government service included posts with the U.S. Embassy in London, the Library of Congress, the U.S. Department of State, the U.S. National Commission for UNESCO, and the staff of the Senate Foreign Relations Committee. Wagner College bestowed on him the Litt.D. in 1957, principally for his contributions to the intercultural relations field and U.S. information libraries.

Dr. Heindel is editor of the international affairs section of the magazine, *Intellect*, and president of the Foreign Policy Association of Harrisburg. He plans to continue writing and will develop consulting services for overseas business and education.

Dr. Edgar B. Hale, professor of animal behavior and former assistant dean of the Graduate School, has retired after nearly 29 years of service.

A native of Tulsa, Texas, Dr. Hale joined the faculty at Penn State in 1949 as assistant professor of poultry husbandry and psychology research. In 1956 he was named associate professor of animal behavior and, five years later, earned his full professorship in animal behavior.

In 1964 Dr. Hale was named assistant to the vice-president for research and was primarily concerned with obtaining grants and expanding the University's research program in the area of biology. A year later he was promoted to assistant dean of the Graduate School, a position he held for three years before resuming his duties as professor of animal behavior.

Dr. Hale received his B.S. in dairy husbandry at Texas A&M. His M.S. in dairy cattle nutrition was conferred by Michigan State, and his Ph.D. in zoology and animal behavior was awarded by the University of Chicago in 1950.

His research was initially directed at determining the rate of digestion in the rumen of cattle. Later, he studied the role of physiology and dominance behavior in fish, chickens and turkeys and the sexual behavior of bulls.

Appointments

Alice M. Rethinger as assistant professor of English at Shenandoah Valley, B.A., Mary Mansie College; M.A., Ph.D., Bowling Green State U. Formerly instructor, Slippery Rock State College; assistant professor, Bethune-Cookman College; instructor, Bowling Green State U.

Ronald R. Rubenfield as instructor of accounting at Beaver, B.S., Penn State U.; M.B.A., Shippensburg State College. Formerly part-time instructor, Community College of Allegheny Co.; self-employed accountant.

Prem D. Satsangi as assistant professor of chemistry at Fayette, B.S., M.S., Ph.D., U. of Allahabad, India. Formerly post officer and assistant professor, U. of Allahabad, India.

David J. Sheller as assistant professor of entomology at University Park, B.S., M.S., U. of Oklahoma; Ph.D., Penn State U.

Richard M. Smaby as assistant professor of linguistics at University Park, B.A., Yale U.; M.A., Ph.D., U. of Pennsylvania. Formerly assistant professor, U. of Pennsylvania.

Suzanne C. Striedieck as chief, serials department, University Libraries at University Park, B.A., Penn State; M.L.S., U. of Pittsburgh.

James E. Swanson as assistant professor of educational psychology at Delaware County, B.S., Illinois State U.; M.S., Ph.D., U. of Wisconsin. Formerly teacher, Marshall Middle School, Ill.

Glenn F. Thiel as instructor of physical education and head coach of men's lacrosse at University Park, B.S., Penn State; M.S., U. of Massachusetts. Formerly head lacrosse coach and instructor, U. of Virginia.

Donald M. Tombasco as instructor in engineering at Worthington-Scranton, B.M.E., General Motors Institute. Engineer, General Motors Corp.; high school teacher in Hazleton and Tamaqua, Pa.

Michael J. Wasylenko as assistant professor of economics at University Park, B.S., St. Joseph's College; M.A., Ph.D., Syracuse U. Formerly assistant professor, U. of Wisconsin-Madison.

William C. Weary as instructor of physical education at University Park, B.S., Penn State.

Nancy A. Wentzler as assistant professor of economics at University Park, B.S., Penn State; M.A., U. of Wisconsin-Madison; Ph.D. candidate, Wisconsin.

Stephen R. Williams as assistant professor of biology at New Kensington Campus, B.A., Rutgers U.; M.S., Ph.D., U. of New Mexico. Formerly visiting assistant professor, U. of New Mexico.

Jerry L. Wircenski as associate professor, Division of Occupational and Vocational Studies at University Park, B.S., M.A., Ph.D., Ohio State U. Formerly assistant professor, Purdue U.

Dawn C. Wooderson as assistant professor of music education at University Park, B.M.E., Lee College; M.M.E., Ph.D., Florida State U.

Michael A. Yahr as instructor of business administration at Beaver, B.A., M.B.A., U. of Pittsburgh. Formerly instructor, Allegheny Community College.

Lakshman S. Yapa as assistant professor of geography at University Park, B.A., U. of Ceylon; Ph.D., Syracuse U. Formerly assistant professor, Boston U., U. of Pennsylvania.

Thomas D. Yawkey as associate professor of early childhood education at University Park, B.S., Indiana U. of Pa.; M.Ed., Duquesne U.; M.S., Ph.D., U. of Illinois. Formerly academic coordinator, Early Childhood Education Division, and director, Wisconsin Early Childhood Study Center, U. of Wisconsin at Madison.

Faculty women sponsor three service groups

Three groups sponsored by the Faculty Women's Club offer services which might be useful to Penn State faculty, staff and administrators. They are Housing Referral, the Penn State Greeters and Reading for the Blind.

Faculty and staff whose houses will be vacant for a period of time may list their homes either by going to the Housing Referral Office, Room 313 Willard Bldg., or by phoning 865-1538. (The HR office is open Tuesdays from 9:30 to 11:30 a.m. and Thursdays from noon to 2 p.m.)

The HR office lists an average of 40 houses per year and receives several hundred inquiries.

Penn State Greeters are available to host guests of individual departments and to work at registrations, luncheons, receptions and tours for alumni groups. Volunteers with a varied background of skills and interests are available. For further information, call Marie Leath, 238-1436, or Joyce Chelius, 238-5789.

Members of the Reading for the Blind service group volunteer their time at home to tape record textbooks required for classroom use by blind and partially-sighted students at Penn State. Copies of the tapes are sent to the Free Library in Philadelphia, where they are catalogued and placed on loan for students around the country. The Faculty Women's Club not only wishes to inform faculty that this service is available but also suggests that retired staffers might consider volunteering for this activity. Information may be obtained by calling Mary Schmidt, 238-3877.

Obituaries

Dr. William C. Grasley, adjunct professor of physiology and the athletic team physician from 1962 to 1972, died Jan. 18. Born Feb. 21, 1918, in Allentown, Dr. Grasley earned his medical degree from Hahnemann Medical College. After resigning as athletic team physician, he served as an emergency room physician at Centre Community Hospital. He was also associated with the Noll Human Performance Laboratory at the University.

Anne R. Free, 76, former assistant professor of home-community relationships, died Jan. 14. A 1940 graduate of the University in home economics, Mrs. Free taught a course in social usage from 1947 until 1965 and was the author of a textbook, *Social Usage*. Her husband, George J. Free, formerly professor of secondary education at Penn State, died in 1973.

John F. Friesse, 83, who retired in 1960 as professor emeritus of industrial arts education, died Jan. 19 in Hales Corners, Wis.

Mr. Friesse held an M.S. from the University of Wisconsin. He authored numerous magazine articles and several books, and publication of one of his books, *The Role of Industrial Arts in Education*, was made possible by contributions from 50 of his former Penn State students. In 1954 the American Council on Industrial Arts Teacher Education selected him as one of 12 "National Leaders in Industrial Arts Education."

University Park Calendar

Jan. 26-Feb. 5

Special Events

Thursday, Jan. 26

Last date for submission of spring term reserve reading lists, Room W2 Pattee.

FSHA, Chinese Dinner, 5:30 p.m., Maple Room, Henderson. Reservations: 865-7441. Comp. Lit. film series, *Open City*, Italian with English subtitles, 7 and 9 p.m., Room 112 Kern.

GSA, Financial Aid workshop, 7:30 p.m., Room 101 Kern.

Japanese language and literature films, "Japan in the Winter," "Shiko Munakata — Master of Wood Block Prints," "Noh Play — Aoi No Ue," and "An Introduction to Kabuki Theatre," 7:30 p.m., HUB assembly hall. University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Friday, Jan. 27

Public lecture, John D. Scanlan, deputy assistant director for Europe, U.S.I.A., on "The United States and Eastern Europe," 2:30 p.m., Room 124 Sparks. France-cinema, *Coteau, Beauty and the Beast*, 7 and 9 p.m., Room 112 Kern. Campus 4-H Club Square Dance, 8 p.m., HUB ballroom.

Sports: gymnastics, vs. York (Canada), 8 p.m., Rec. Bldg.

University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Saturday, Jan. 28

Shaver's Creek Nature Center, Adventure Series, for children 7 and older, 10 a.m.-3 p.m., Fireside Reading, 8 p.m., Stone Valley. Sports: women's basketball, vs. Rutgers, 2 p.m., White Bldg.; men's basketball, vs. Pittsburgh (EA A game), 7:30 p.m., Rec. Bldg. France-cinema, Robert, *Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern. University Theatre, *The Runner Stumbles*, 8 p.m., Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 29

University Chapel service, The Rev. Charles L. Coleman, religious affairs, 11 a.m., University Chapel.

USG Flea Market, noon-9 p.m., HUB ballroom. Shaver's Creek Nature Center, History Walk, 2 p.m., Stone Valley.

France-cinema, *Beauty and the Beast*, 7 and 9 p.m., Room 112 Kern.

Monday, Jan. 30

Last date for March graduates to deliver theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for March graduates.

First day for signing spring term NDSL and University Long Term Loans, Room 108 Shields.

USG Flea Market, 11 a.m.-5 p.m., HUB ballroom.

France-cinema, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern. ARHS film, Alex Haley, *Roots*, Part I, 7:30 p.m., Room 106 Forum; Part III, 7:30 p.m., Pollock rec room.

Tuesday, Jan. 31

USG Flea Market, 11 a.m.-5 p.m., HUB ballroom.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. James Sweeney, history, on "The Life and Letters of Innocent III," FSHA, Italian Renaissance Dinner, 5:30 p.m., Maple Room, Henderson. For reservations, phone 865-7441.

Sports: women's basketball, vs. Cortland, 7 p.m., White.

ARHS film, Alex Haley, *Roots*, Part II, 7:30 p.m., Room 106 Forum; Part III, 7:30 p.m., Friday rec room, East Halls.

Wednesday, Feb. 1

USG Flea Market, 11 a.m.-9 p.m., HUB ballroom.

ARHS film, Alex Haley, *Roots*, Part III, 7:30 p.m., Room 106 Forum. Commonsplace Theatre, *High Sierra*, 7:30 and 9:30 p.m., Room 112 Kern.

Michael Tison Thomas, Pittsburgh Symphony conductor, lecture on the Mahler symphonies, 7 p.m., Music Bldg. recital hall.



Freshman Patti Spisak will be at Rec. Bldg. for Jan. 27 and Feb. 4 meets.

Photo by Patrick Little

Phil Myers, Pittsburgh Symphony Orchestra, French Horn, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 2

College of Education luncheon, 12:30 p.m., Room 101 Kern.

Afro-American Studies Forum, Edmond Keller, political science, Indiana University, on "The Impact of Black Mayors on Urban Policy," 7:30 p.m., Room 101 Kern.

Sports: men's and women's bowling, ACU Region 1 Tournament; men's basketball, vs. Marquette, 7:30 p.m., Rec. Bldg.

Friday, Feb. 3

Sports: men's and women's bowling, ACU Region 1 Tournament.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Artists Series, Pittsburgh Symphony Orchestra and the University Chorus, Mahler's Symphony No. 2 in C minor, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 4

Shaver's Creek Nature Center, cross-country ski workshop for beginners, by registration only — 865-1851, 9 a.m.-noon: Winter Stars, 8 p.m., Stone Valley.

Sports: men's and women's bowling, ACU Region 1 Tournament; women's fencing, vs. J. Madison and Cornell, 9 a.m., White; coed rifle, vs. Navy, 10 a.m., White; men's fencing, vs. Cornell, 1 p.m., Rec. Bldg.; men's volleyball, vs. Nyack (ECVL game), 1 p.m., Rec. Bldg.; women's basketball, vs. Shipensburg, 2 p.m.; White men's swimming, vs. Temple, 2 p.m.; Natatorium: wrestling, vs. Navy, 2 p.m., Rec. Bldg.; gymnastics, vs. So. Connecticut, 7:30 p.m., Rec. Bldg. Eco-Action, Recycling, 10 a.m.-3 p.m., Parking Lot 83 (behind flower gardens) and Boalsburg Fire Hall.

Artists Series, Pittsburgh Symphony Orchestra and the University Chorus, Mahler's Symphony No. 2 in C minor, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 5

University Chapel service, Mary Marks, Pittsburgh Theological Seminary, 11 a.m., Eisenhower Chapel. Shaver's Creek Nature Center, Snow and Ice, 2 p.m., Stone Valley.

Susan Fischel, Dan Joffe, and Carol Mattis, oboe, 3:30 p.m., Music Bldg. recital hall. France-cinema, Renoir, *Little Theatre of Jean Renoir*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Jan. 26

Computation Center, "Text Processing," (4 of 4), introductory programming background suggested, 7:30 p.m., Room 102 Forum. Computation Center, "Graphics," (4 of 4), introductory programming background suggested, 7:30 p.m., Room 110 Osmond.

Friday, Jan. 27

Physical Chemistry, William G. Haseltine, chemistry, on "NMR of Liquids at High Pressure," 4 p.m., Room 333 Whitmore.

Monday, Jan. 30

Biochemistry and biophysics, Donald Wet-lauer, Delaware University, on "Protein Folding Pathways: Chemical Evidence and Biological Significance," 3:55 p.m., Room 101 Althouse.

Computation Center, "APL," (1 of 4), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.

Tuesday, Jan. 31

Biology, Neil Brister, physiology program, on "The Cytochemical Bioassay of Corticotropin (ACTH)," 11:10 a.m., Room 111 Life Sciences.

Food Science, Jonathan Hoskin on "The Chemistry of Black Tea Flavor," 11:10 a.m., Room 201 Borland.

Computer Science/Computation Center, E. Guides, computer science, on "Research Problems in the Database/Operating System Interface," 1 p.m., Room 325 Whitmore. Water Pollution Control, Ernest Giovanitti, Industrial Wastes Division, DER, Harrisburg, on "Water Pollution Abatement in the Steel Industry," 2:20 p.m., Room 128 Sackett. Genetics, Raynaldo Villareal on "Slow Blasting in Rice: A Thesis Proposal," 3:55 p.m., Room S2 Fear.

Plant Pathology, Dave Beyer on "Phenoloxides and Their Role in Plant Disease Resistance — Peroxidases," 3:55 p.m., Room 213 Buckhout. Nuclear Engineering, Harold Denton, Nuclear Regulatory Commission, on "Regulation Processes and the Steps NRC Is Taking to Speed Up This Process," 4 p.m., Room 225 EE West.

Wednesday, Feb. 1

Computation Center, "APL," (2 of 4), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.

Thursday, Feb. 2

Chemistry, F. M. Richards, Yale University, on "Various Views of the Structure of Proteins,"

12:45 p.m., Room 333 Whitmore. Physics, Raymond Dingle, Bell Labs, Murray Hill, on "Physics of Monolayer Man-Made Crystals," 3:50 p.m., Room 117 Osmond. Agronomy, Robert Mathewson on "Applications of Remote Sensing to Agriculture," 3:55 p.m., Room 111 Tyson. Meteorology, William W. Dovic on "Classification and Prediction of Snow Storm Severity," 3:55 p.m., Room 112 Walker.

Friday, Feb. 3

Physical Chemistry, Clarence I. Hisatsune, Chemistry, on "Some Unsolved Problems in the Chemistry of CO₂," 4 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: PSU art education graduate students, mixed media, opens Jan. 30.

Frost Entomological Museum: Architecture of Insects and Related Arthropods.

Kern Commons Gallery: Central Pa. Scholastic Art, through Jan. 28; Harley Straus, photographs, "Rules, Roles, Rituals: II," and Glenn Ziemke, glass, both open Jan. 28.

Museum of Art: "The First Five Years," anniversary show of selections from the permanent collection.

Pattee: Ukrainian children's toys and books, Room 324 Pattee Library, through Jan. 31.

Zoller Gallery: student paintings, through Feb. 1; Photo Invitational, opens Feb. 4.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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News in brief

(Continued from page 1)

Eco-Action centers receiving materials

Eco-Action is operating two recycling centers, one in Parking Lot 83 behind the University's flower gardens and the other at the Boalsburg Fire Hall. The centers will be open Saturday, Feb. 4, from 10 a.m. to 3 p.m. and again on Feb. 18.

The centers will accept newspapers which have been tightly bundled or packed in brown bags. Glass, aluminum and tin cans will also be recycled. Labels may be left on the glass — which can be brown, clear or green — but metal rings should be removed and bottles rinsed. Only all-aluminum cans should be brought in. Bimetal cans are not accepted — bimetals are usually soda or beer cans and have dull bottoms and seams.

Eco-Action asks that lids be removed from tin cans, and the cans flattened. (The lids should also be brought in.)



the tall blond man with one black shoe

PG

The French Department is sponsoring two showings of *The Tall Blond Man with One Black Shoe* at 7 and 9 p.m. on Jan. 28 and 30. Accordingly, the film chronicles the unwitting involvement of its hero in the machinations of two opposing factions within the French secret service. Showings are in 112 Kern.

Symphony concert Jan. 28

The Penn State Symphony Orchestra, under the direction of Dr. D. Douglas Miller, associate professor of music, will present a program featuring student soloists and conductors at 8:30 p.m. Saturday, Jan. 28, in Eisenhower Auditorium.

Included in the program are *Night on Bald Mountain* by Moussorgsky, the first movement of *Bert's Flute Concerto*, *Aprile un Poqueglucchi from The Marriage of Figaro* by Mozart, *De Misi Bolenti Spirito from La Traviata* by Verdi, the first movement of the Cello Concerto by Dvorak, *Roméo and Juliet* by Tchaikovsky, and Piano Concerto by Khachaturian.

Campus maps available

Individuals needing supplies of campus maps can obtain them by calling the Office of Campus Relations, 865-2501. In the past, those who needed more than 100 maps were sent to Publications.

Other items available from this office are Fact Cards, Walking Tour Maps, Travel to/from Penn State brochures, Faces of Penn State, and Speakers Bureau brochures.

Hershey sets up new division

A division of maternal-fetal medicine has been established in the Department of Obstetrics and Gynecology at Hershey. It

Elsewhere in Academe

Public confidence in higher ed grows

Public confidence in higher education has increased substantially during the past year, according to a Louis Harris and Associates survey. Forty-one percent of those polled expressed "a great deal of confidence" in the people in charge of higher education. The figure was 31 percent in 1976; ten years earlier, however, in 1966, it was 61 percent.

Women students increase

Fall enrollment statistics show 4.7 percent more full-time women students in colleges and universities nationwide this year. The number of male students, however, decreased by 1 percent. Enrollment figures for part-time students showed 8.9 percent more women, compared to 3 percent more men. The statistics were compiled by the National Center for Education Statistics, which also reported that last year total enrollments at both graduate and undergraduate levels, grew by 366,541 students, 341,043 of whom were women. And the U.S. Census Bureau reports that last spring 13.2

percent of all 18- and 19-year old women had completed one year or more of college, as compared with 10.9 percent of the men in this age group.

Academic calendar survey

The most popular academic calendar in 1976-77 was an "early semester" system. Forty-eight percent of nearly 2,500 colleges and universities surveyed used this calendar, with first-semester classes held from mid-August until just before Christmas, and a second semester from mid-January to early May. The survey was made by Loyd C. Oleson of Doane College. The traditional semester calendar — with classes beginning in mid-September and commencement ceremonies in early June — was used by only 7 percent of the schools queried. Ten years ago, 83 percent of them operated under this system. The second most popular calendar, used by 24 percent of the institutions surveyed, was the quarter system, similar to Penn State's. Thirteen percent of the schools used a 4-1-4 system, with four-month fall and spring terms and a one-month winter term, usually in January. The least popular calendar was the trimester variety.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Feb. 2. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

WRITER, PUBLIC INFORMATION AND RELATIONS, University Park. Responsible for Head, Internal Communications, for covering a variety of writing assignments for Intercom. The Reporter, and Faces of Penn State, and also, in cooperation with the News Bureau, cover several Colleges of the University on a "beat" basis. Bachelor's degree or its equivalent in journalism or liberal arts, with two years of experience on newspapers or magazines in writing positions. Must have specialized knowledge of the communications media and how they function, with an ability to write well, fast and accurately. An interest in educational programs is desired.

ASSISTANT TO THE DIRECTOR, OPERATIONS AND BUSINESS-AIDS, CONTINUING EDUCATION, University Park. The position is responsible to the Director, Audio-Visual Services, for providing the following activities and others: development and

maintenance of forecasting, circulation, income, expenses, trend; budget planning and control; work measurement; methods improvement; physical facilities planning; organization planning; quality control; materials handling and packaging; forms control and design. Minimum qualifications include bachelor's degree or equivalent, with emphasis on administration, business or education, and two to three years of directly related experience in analysis of data and design of programs for operations and financial control.

In addition to the above vacancies, there are positions in certain work units which, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

Position	Area
Staff Nurses	Hershey
Licensed Practical Nurses	Hershey
Radiology Technicians	Hershey
Medical Technologists	Hershey
Assistant Food Supervisors	H&S
Residence Hall Coordinators	Student Affairs
Assistant Coordinators	Student Affairs
Nutrition Assistants	Ag Extension (various counties)
Psychiatric Assistants	Hershey

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

Auditorium. The program will include works by Wagner, Webern, Bach, Ravel and Brahms.

Benefits report

(Continued from page 1)
may be true especially for individuals who terminated from the University and were later reappointed, or for individuals who have been on fixed-term appointments. Anyone who feels that there is an error in his or her case may verify the appointment date by contacting the Employee Benefits Division. The University payroll records contain very accurate information regarding earnings and length of service for retirement purposes, even though this source may not always reflect dates of original appointment.

Questions about the statements should be referred to the Employee Benefits Division, Room 133 Willard Bldg. (865-1473).

The statements have been prepared for the University by BENEFACETS, Inc., of Baltimore, Md.

It is planned that statements similar to these will be issued again in future years provided funding permits.

WPSX Highlights

Four series premieres are scheduled on WPSX-TV, Monday, Jan. 30, beginning at 8 p.m. with *Turnabout*, which focuses on issues of particular concern to women.

The topic for the first program is "Juggling" — dealing with careers and families. Among those appearing on the program is Beverly Sills. At 9 p.m. a new nine-week series, *Royal Heritage*, uncovers the art treasures of the British monarchy. Immediately following at 10 p.m., another new art series premieres, *The Originals: Women in Art* begins with a look at 19th century American impressionist Mary Cassatt of Philadelphia. At 10:30 p.m., *Anyone for Tennyson?* returns for its third season with selections from the light verse of Ogden Nash, Dorothy Parker, Phyllis McGinley, and Yip Harburg. Jack Lemmon guest stars.

Tuesday, Jan. 31, at 7:30 p.m., *Talkabout* continues its examination of rape in Central Pennsylvania with a discussion on prevention and prosecution. Appearing on the program are Darlene May, crime prevention specialist for the State College police department; Mary Jo Reeves, president of the Centre County Rape Crisis Center; and former Assistant District Attorney C. Kent Price of Centre County.

The New York City Ballet, under the direction of George Balanchine, is featured in a live performance of *Coppelia* on *Live From Lincoln Center*, Tuesday, Jan. 31, at 8 p.m. Patricia McBride dances the title role.

By 2177, more people will live in space than on earth, according to scientists appearing on "The Final Frontier," a Novu documentary to be seen Wednesday, Feb. 1, at 8 p.m. Space colonization and the promise of untapped sources of energy and raw materials are considered in light of NASA's successful space shuttle testing this summer.

On Thursday, Feb. 2, at 9 p.m., veteran news correspondent Daniel Schorr hosts the premiere program of *World*, a new biweekly series on international affairs. Mr. Schorr will introduce viewers to international news gathering, comparing reports of a given event as it is covered in different countries.

Great Decisions, a new eight-part series on America's foreign affairs, begins Thursday, Feb. 2, at 10:30 p.m. Each week, government, academic, and business leaders consider a major platform of the Carter Administration's foreign policy, beginning with human rights abroad. Produced in conjunction with the Foreign Policy Association and the Rochester Association for the United Nations, *Great Decisions* is being broadcast as part of a community service project of Penn State's College of the Liberal Arts.

Funding Sources

For further information, call 865-1372.

(901-2) The National Science Foundation has announced a program of extramural research interest for its Division of Policy Research and Analysis (IPRA). Proposals are encouraged in four areas: socioeconomic effects of science and technology; innovation processes and their management; environmental resources; and technology assessment. A letter of interest, a preliminary proposal, and finally a formal proposal are required for application. Quarterly deadlines are established for formal proposals. The next two are March 1 and June 1. (Ref. NSF-77-77-29)

(901-2) The NSF Research in Science Education Program has a March 17 deadline. Proposals in the natural and social sciences and mathematics and engineering are solicited. Eligible topics include research evaluation and synthesis in early adolescent motivation and learning. About 20 projects will be funded. (Ref. NSF-78-55) (C&U 659)

(391-3) Study abroad programs (scholarships) at 10 English Universities in summer 1978 are offered by the Institute for International Education (212-863-8200). The application deadline is March 1. (Ref. IIE-77-79)

Penn State Intercom

A letter to all employees:

As cleanup of the most recent winter storm continues at the University, I want to express my personal appreciation to all employees for their dedication to duty during some most difficult times. It took a very special effort for many of you to get to work, sometimes on snow-covered roads, and all of us appreciate your willingness to do your part to keep the University in operation.

I am especially grateful — and I am certain that our students are also — to those of you in essential services who responded so effectively during the storm. Without your excellent cooperation, it would not have been possible to provide the many services required by our faculty, staff and students.

Last but not least, I would like to add a special note of thanks to those of you who worked extra hours to stay ahead of the snow. The work still goes on, and you continue to do your share to make life safer and easier for the rest of us.

Your contributions to Penn State are recognized and appreciated.

Sincerely,

John W. Oswald
John W. Oswald
President

Conservation guidelines listed

President Oswald's memo of Jan. 23 on the electrical emergency caused by the continuing coal strike called for everyone to work toward the elimination of non-essential uses of electricity.

The following guidelines previously approved by the Executive Energy Conservation Committee are listed to assist in the conservation of electrical power. In addition to the specific items listed, any action which conserves energy in general will indirectly reduce the electrical consumption.

A. All Areas

1. Insure that radiators, heating units, and ventilation registers are not obstructed by shelving, plants, furniture or other objects. On those heating units containing fans, turn the fan to the lowest speed.

2. Thermostats in occupied spaces should be set no higher than 68° unless an exception has been approved by the Executive Energy Conservation Committee. Storage or other unoccupied spaces should be set no higher than 55°. Turn back thermostats to 55° at the end of the work day and for weekends. Portable electric heaters are not permitted unless

installed by Maintenance and Operations (see "D" below).

3. Windows should be kept closed at all times. Shades and blinds should be closed overnight and weekends, except on ground floors.

4. All exterior doors, including those in garages and at loading docks, should be kept closed as much as possible. Office, laboratory, and shop doors should be kept closed to reduce loss of heat to corridors.

5. The use of domestic hot water should be curtailed as much as possible, especially if provided by an electric heater.

6. Insure that copy machines are completely turned off when not in use; the use of such machines should be reduced as much as possible.

7. All room lighting should be kept to a minimum and natural light should be used when possible in lieu of artificial light.

8. Curtail use of all elevators.

9. Consolidate activities; close and winterize areas or buildings not essential to current need.

10. Eliminate the use of non-research hot plates; consolidate use of coffee makers (use one large one rather than several individual ones).

(Continued on page 2)

Senate committee to report on promotion, tenure

A University Faculty Senate committee studying promotion and tenure policies will present its tentative findings when the Senate meets at 1:10 p.m. on Tuesday, Feb. 7, in Room 112 Kern Bldg.

The report, which is preliminary, will be accompanied by a request for faculty input before a final legislative report is prepared later this year.

The Senate will also hear an oral information report from the Ad Hoc Committee to Review Baccalaureate Degree Requirements. That committee was convened a year ago to study BDR requirements at the University.

Although President Oswald told the Senate several months ago that he thought it was premature to consider fundamental changes in P-23, the two-year-old promotion and tenure policy, he added that several lesser questions deserved more immediate attention. Since then, a number of such questions have been identified by the Faculty Affairs Committee and Promotion Subcommittees on Rank and Tenure.

Those questions, and the committee's preliminary responses based on faculty input, are as follows:

(Q) What are the proper intervals for tenure reviews — one, three, five and six years or two, four and six years?

(R) Mandatory tenure reviews should be made in years two, four and six. Faculty members receiving an unsatisfactory review in the fourth year but not given notice of termination should, upon their request, receive a fifth year review also.

(Q) Should the justification for promotion be stronger if the time in rank is short (for example, less than five years as an assistant or associate professor)? Also, should tenure decisions be made and tenure granted prior to the sixth year in outstanding cases? Should promotion from assistant to associate professor before the end of six years be accompanied by tenure or should the two be considered separately, as is now the case?

(R) Promotion should be determined by ability and achievement rather than by the calendar. Rapid advance should take place only in cases of remarkable achievement, but no arbitrary time limits should hinder the progress of outstanding faculty.

Tenure decisions should be kept separate from promotion decisions. Credit toward tenure for previous service at another university should be granted only after careful consideration and should ordinarily not exceed three years.

Provision should be made, however, for hiring with tenure an outstanding scholar who is already a tenured full professor at another university.

(Q) What policy should be followed in the written notification of a negative sixth year tenure decision? (The current policy is to give no written explanation for legal reasons.)

(R) A faculty member should be given written explanation of a negative tenure decision.

(Q) What should be the policy of higher level review committees when they

(Continued on page 2)

News in Brief

Four Diamonds fund raiser

A fund raising dinner for leukemic children will be held for Penn State faculty and staff at 7:30 p.m. on Thursday, Feb. 9, at the Elks Country Club in Boalsburg.

A nationally known sports figure will be the guest speaker for the evening. Tickets are \$20 per person, and the menu will feature London broil.

Proceeds from the dinner will go to the Four Diamonds Fund, which helps defray medical expenses for families who have children stricken with leukemia. The funds go to the Hershey Medical Center.

Campus positions open

Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, reminds faculty that the following positions are available within the University.

Associate Dean of Academic Instruction for Commonwealth Campuses: The advisory search committee will identify qualified candidates from within the University. Nominations and applications should be forwarded to Dr. Michael Cardamone, Room 111 Old Main, by Feb. 21.

Commonwealth Campus Director at the DuBois and Schuylkill Campuses: Nominations and applications should be sent to Dr. Robert Quinn, Room 111 Old Main, by Feb. 21.

Associate Director for Academic Affairs at the Altoona, New Kensington and Wilkes-Barre Campuses. Nominations and applications should be forwarded to the respective Campus director by Feb. 21. Two copies of a resume should accompany letters of application.



Photograph by Jerry Uelsmann from Zoller Gallery exhibit opening Saturday.

Penn Staters

Chalmers G. Norris, director of planning and budget officer at the University, has been named executive coordinator of the Council for Postsecondary Education for the State of Washington.

He has resigned from his position at the University, effective May 1.

"We at Penn State are deeply grateful to Gail Norris for his 10 years of loyal and productive service, President John W. Oswald said. "He will be sorely missed by all of his friends, but especially by those of us who, through the years, have relied on him for guidance in planning and budgeting."

"I wish him much success, both personally and professionally, with his new, most challenging position."

As executive coordinator, Mr. Norris will have responsibility for staff direction and program administration of the Council, which was established by the State of Washington in 1969 "to facilitate planning, articulation, and coordination among the parts of a complex system of post-secondary education."

Appointed as planning liaison officer at Penn State in 1968, Mr. Norris was named to his present position in 1970. He has had responsibility for conducting analyses and making recommendations on program proposals, and for recommending major fund transfers during the fiscal year. He also has had responsibility for the preparation of five-year plans and subsequent budget requests.

From 1963 until 1968, Mr. Norris served with the U.S. Office of Education, holding positions as director of the Division of College Facilities, chief of the College Facilities Grants Branch, and as special assistant to the Deputy Commissioner.

A native of Muncy, Pa., he is a 1957 graduate of Shippensburg State College with a B.S. in education. His M.A. in government was conferred by George Washington University.

Leon Gorlow, professor of psychology, is marking his 25th year with the University.

After receiving his A.B. degree from the City College of New York, he studied at Columbia University, where he earned both the A.M. and Ph.D. degrees in psychology.

Dr. Gorlow taught at Syracuse University and served as a clinical psychologist for the U.S. Veterans Administration before 1952, when he was appointed an assistant professor at the University. In 1954 he became an associate professor, and in 1968 he was appointed professor of psychology.

In 1962 Dr. Gorlow accepted a Fulbright Visiting Professorship in Finland where he lectured in the field of personality theory at the School of Social Studies at Tampere and at the University of Helsinki.

He has published on a wide variety of subjects in clinical psychology and is the co-author of a book, *The Psychology of Adjustment*. In addition to acting as a consultant to Laurelton State School, Centre County Counseling Service, and the Pennsylvania Association of Retarded Children, Dr. Gorlow has served as a visiting scientist for the National Science Foundation and the American Psychological Association.

Dr. Martin Quinn, assistant professor of English at Beaver Campus, has been invited to speak at the University of Shiraz in Iran on the subject, "William Archer and Henrik Ibsen." Dr. Quinn is currently a Fulbright Professor at the University of Teheran, also in Iran. Archer, drama critic, playwright, and first English translator of Ibsen, is the subject of Dr. Quinn's research, which has been partly supported by the Institute for the Arts and Humanistic Studies.

The name of **Dr. Harlan Hoffa**, professor of art education and head of the Division of Art and Music Education, was

inadvertently omitted from the list of leaves of absence published Jan. 18. Dr. Hoffa will use his sabbatical to study the ways in which various social institutions intervene between artists and their public.

Obituary

Dr. Carroll D. Champlin, 91, who retired in 1953 as professor emeritus of education, died Jan. 23.

Dr. Champlin was graduated in 1906 from Bloomsburg State College, where he was honored in 1951 as a Distinguished Alumnus. He received B.A. and M.A. degrees from Haverford College and a Ph.D. from the University of Pittsburgh. In 1919, he was appointed an instructor at the University of Pittsburgh, and two years later was named professor of education at California State College. He joined Penn State in 1926.

In 1932, Dr. Champlin went to the University of Puerto Rico for a year as an exchange professor, and he returned there in 1954 after his retirement for an 18-month appointment. He taught also at the University of Hawaii. He was a visiting professor in 1950-51 at the University of Utah. He had served on the faculty of various institutions for summer programs, among them, the University of Pennsylvania, George Washington University, Cornell University, East Stroudsburg State College, Haverford College, Syracuse University, and San Jose College.

Guidelines

(Continued from page 1)

1. Turn off lighting of displays, display cabinets, murals, etc. if not part of an instructional museum or gallery. Consider the restriction of hours of public access to museums, etc.

B. Laboratories, Shops, Kitchens, etc.

1. Consolidate where possible storage in refrigerators, deep freezers, and growth chambers.

2. Insure that autoclaves and sterilizers always contain a full load when operating. Use steam units in lieu of electric units where possible.

3. Insure that food hoods and ovens are operating only when required. Avoid use of hoods for storage.

4. Curtail the use of process steam and compressed air, whether locally generated or from the campus systems, to the maximum possible extent.

5. Monitor the use of tap water for equipment cooling and reduce use to maximum extent possible; be alert to the improper functioning of automatic valves.

6. Curtail the use of distilled water where possible.

7. Curtail the use of machinery to the maximum possible extent.

8. Insure that exhaust fans operate only when absolutely necessary.

C. Athletic Areas and Gyms

1. Insure that all lighting is off immediately after use, even where automatic timers are installed.

D. Repairs

1. Insure that the individual responsible for the area is made aware of malfunctioning equipment, fixtures, controls, valves, switches, timers, thermostats, etc.; that individual should promptly call Maintenance and Operations at 865-4731.

The modification of their energy use habits by faculty, staff, and students is fundamental to the success of this emergency plan, and their assistance is required to emphasize the need in each area to reduce electrical consumption.

A telephone "hot line" has been installed at University Park (863-1517) to answer questions and provide individual advice on how reduction goals can be met.

Policy analysis proposals requested

A request for proposals for policy analysis research in environmental-energy related topics has been issued by Dr. Richard G. Cunningham, vice president for research and graduate studies.

Preliminary proposals based on the document, "Policy Analysis for the Commonwealth: Social and Behavioral Science Perspectives on Energy, Environmental, and Resource Issues," should be submitted to Dr. Cunningham prior to March 15. Copies of the document have been distributed through the Administrative Committee on Research and may be obtained from the deans for research, intercollege directors, or the vice president for research and graduate studies, Room 207 Old Main.

An oversight panel chaired by Dr. Cunningham will sift the preliminary proposals and will issue invitations before April 1 for formal proposals. The awards, which will be announced June 1, will be made from the two-year Ford Foundation block grant administered by the Center for Study of Environmental Policy.

Dr. Terry A. Ferrar, director of the center, notes that topics in energy, land use and waste disposal, air quality and water management, and the public's role in energy/environmental policy are appropriate. Questions such as how the conflicting objectives of cleaner air and increased coal production can be reconciled or what administrative structures are necessary for the formulation and implementation of State policies in that area are typical of the kinds of research to be supported. Policies relating to sewage sludge disposal and what mechanisms are best for obtaining public input for siting of such disposal sites are other examples.

Additional Pennsylvania-related research topics of high priority are: (a) regulatory procedures or incentives that

might increase water conservation practices and their subsequent impact on water revenues, (b) governmental barriers to the operation of a waste oil recycling program, plus location and ownership of recycling centers, (c) renovation of abandoned hydroelectric facilities and the impact of facility interconnects on power grids, and (d) social science issues raised by adoption of residential solar energy devices.

Grant of up to \$10,000 for single investigator projects, and grants of up to \$25,000 for interdisciplinary projects, which are encouraged, will be awarded.

In addition to application of the usual proposal criteria (a clearly stated plan, appropriate methodology and staffing, etc.), the oversight panel will consider: (a) the likelihood that project results will prove useful to State policy officials, (b) potential for establishing continuing relationships between faculty and Commonwealth officials, and (c) scholarly merit and potential for publication.

Oversight panel members include Deans Eugene J. Kelley and Stanley F. Paulson; Dr. Donald Ford; and Pennsylvania government officials William Haral, William Middendorf and Edward Seladone. Mr. Haral is executive director of the Governor's Energy Council, and Mr. Middendorf and Mr. Seladone are deputy secretaries of the State's Department of Environmental Resources.

Preliminary proposals are to consist of not more than two double spaced, typed pages describing objectives, research plan, approximate cost and anticipated results. The investigator's vita is to be attached as an appendix. Ten copies are required.

Before writing these proposals, faculty are encouraged to contact State officials; Dr. Ferrar will assist them.

Senate

(Continued from page 1)

disagree with a lower level committee (for example, when the College committee disagrees with the department or campus committee)?

(R) Disagreements should be discussed in conference among representatives of each committee before a final recommendation is made to the next level.

The only proposal concerning promotion and tenure to be presented for legislative action at this meeting will be a recommendation for a change of wording in Section 12 of PS-23, as it now appears in the University Policy Manual.

That section currently states that a tenured faculty member may be dismissed for adequate cause. The Committee on Faculty Affairs will recommend that a sentence be added stating that tenure-eligible faculty may also be dismissed, without adherence to current guidelines for non-reappointment notice, when adequate cause exists.

In both cases, adequate cause is determined on the basis of four criteria: lack of competence, excessive absenteeism, moral turpitude, or grave misconduct.

The Senate Committee on Student Affairs, Awards, and Scholarships will present an informational report on the types, sources, and administration of student aid.

The committee will commend the Office of Student Aid for its efficiency, but will express concern about the limited amount of institutional aid now available to students.

According to the committee's report, full-time undergraduate Pennsylvania residents paid \$421 for the current term's tuition at University Park and \$378 at the Commonwealth Campuses. Room and

board charges in the residence halls would have added \$503 to the term bill.

However, in 1952-53, according to the report, the University charged all students a general fee of \$50 per semester, plus an incidental fee of \$60. The charge for sharing a double room was \$100, while \$220 would have covered a semester's board in the dining halls.

On an academic year basis, the committee will point out, a Pennsylvania resident enrolled as an undergraduate student would have paid \$860 in 1952-53. A 1977-78 counterpart can expect to pay \$2,772, which does not take into account spring tuition hike.

The Senate will also hear an informational report from the Senate Elections Commission. The commission will report that the annual Faculty Census is now being conducted.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

Feb. 2 — 12

Special Events

Thursday, Feb. 2

Afro-American Studies Forum, Edmond Keller, political science, Indiana University, on "The Impact of Black Mayors on Urban Policy," 7:30 p.m., Room 101 Kern.
Sports: men's and women's bowling, ACU Region 1 Tournament; men's basketball, v.s. Marquette, 7:30 p.m., Rec. Bldg.
HPER colloquium, Kenny Moore, *Sports Illustrated* journalist, Olympic Marathoner, on "Sports and Politics," 7:30 p.m., Room 123 Chambers.
University Readers, dramatized reading of William Tenn stories, (rescheduled because of weather), 7:30 p.m., HUB assembly hall.

Friday, Feb. 3

Sports: men's and women's bowling, ACU Region 1 Tournament.
Faculty Club reception for prospective members, 4-7 p.m., Faculty Club.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.
Artists Series, Pittsburgh Symphony Orchestra and the University Chorus, Mahler's Symphony No. 2 in C minor, 8:30 p.m., Eisenhower Auditorium.
Careers in Music, panel discussion by members of the Pittsburgh Symphony, 2:15 p.m., Room 115 Music Bldg.

Saturday, Feb. 4

Shaver's Creek Nature Center, cross-country ski workshop for beginners, by registration only—865-1851, 9 a.m.-noon; Winter Stars, 8 p.m., Stone Valley.
Sports: men's and women's bowling, ACU Region 1 Tournament; women's fencing, v.s. J. Madison and Cornell, 9 a.m.; White; coed rifle, v.s. Navy, 10 a.m.; White; men's fencing, v.s. Cornell, 1 p.m.; Rec. Bldg.; men's volleyball, v.s. Nyack (ECVL game), 1 p.m.; Rec. Bldg.; women's basketball, v.s. Shipensburg, 2 p.m.; White; men's swimming, v.s. Temple, 2 p.m.; Natatorium; wrestling, v.s. Navy, 2 p.m.; Rec. Bldg.; gymnastics, v.s. So. Connecticut, 7:30 p.m.; Rec. Bldg.; hockey, v.s. Delaware, 7:30 p.m.
Eco-Action, Recycling, 10 a.m.-3 p.m., Parking Lot 83 (behind flower gardens) and Boalsburg Fire Hall.
Student Film Organization, Sci Fi Film Festival, *The Day the Earth Stood Still*, 7:30 and 9:30 p.m., Room 102 Forum.
Artists Series, Pittsburgh Symphony Orchestra and the University Chorus, Mahler's Symphony No. 2 in C minor, 8:30 p.m., Eisenhower Auditorium.
Pittsburgh Symphony Orchestra, Young Peoples Concerts, 10 a.m. and 11 a.m., Eisenhower Auditorium.
Sunday, Feb. 5
University Chapel service, Mary Marks, Pittsburgh Theological Seminary, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Snow and Ice, 2 p.m., Stone Valley.

Susan Eisehold, Dan Joffe, and Carol Mattis, oboe, 3:30 p.m., Music Bldg. recital hall.
france-cinema, Renoir, *Little Theatre of Jean Renoir*, 7 and 9 p.m., Room 112 Kern.
Sports: hockey, v.s. Upsala, 2:30 p.m.

Monday, Feb. 6

Commonsplace videotape, "Human Rights Abroad: Reality or Illusion for U.S. Foreign Policy?" noon, Kern Commons.
Shakespeare film, *A Midsummer Night's Dream* (Rigg/Hall), 6:30 p.m., Room 101 Chambers.
france-cinema, Renoir, *Little Theatre of Jean Renoir*, 7 and 9 p.m., Room 112 Kern.
Sports: women's basketball, v.s. East Stroudsburg, 7 p.m., White.
Comp. Lit. film series, *The Light of Experience*, 8 p.m., Room 101 Kern. Free admission.
"An Evening of Music by Franz Schubert," with Philip Dettra, Robert Trehy and the Alard Quartet, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 7

Bloodmobile, HUB ballroom.
Fixed date for meetings involving Commonwealth Campus faculty.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Alegria Bendale, comparative literature, Schuylkill, on "Problems of the South."
University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.
History colloquium, William J. Duker, history, on "In Search of Ho Chi Minh," 2:30 p.m., Room 101 Kern.
Shakespeare film, *A Midsummer Night's Dream* (Rigg/Hall), 6:30 p.m., Room 101 Chambers.
Black Studies film, *Xala* by Senegal's Ousmane Sembene, 7 p.m., Robeson Cultural Center (Walnut).
English colloquium, Howard Moss, poetry editor, *The New Yorker*, on "Work in Progress," 8 p.m., Room 101 Kern.
IAHS/French Department, Theatre du Double, Diderot, *Le Supplément au voyage de Bougainville*, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Feb. 8

Last drop deadline.
Last day for signing winter term NDSL and University Long Term Loans, Room 108 Shields.
Bloodmobile, HUB ballroom.
Commonsplace Theatre, *Key Largo*, 7:30 and 9:30 p.m., Room 112 Kern.
ERM Club lecture, Earl Mallick, vice president, U.S. Steel, on "The U.S. Steel Corporation and the Environment," 7:30 p.m., Room 301 Ag. Admin. Bldg.
Sports: men's basketball, v.s. Temple, 7:30 p.m.; Rec. Bldg.; men's swimming, v.s. Bucknell, 7:30 p.m.; Natatorium.
Artists Series Film Festival, American Film Theatre, Eugene O'Neill, *The Iceman Cometh*, 8 p.m., Eisenhower Auditorium.
University Theatre, student preview, *Thieves' Carnival*, 8 p.m., The Playhouse.
Artists Series, *La Chambre du Roy*, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 9

Faculty Women's Club lecture, Polly Eddy on "Is There Still a Job for the Volunteer?" 1:15 p.m., Memorial Lounge, Eisenhower Chapel.

Sigma Xi meeting, 1:30 p.m., Room 101A Kern.
Comp. Lit. film series, *Paisan*, Italian with English subtitles, 7 and 9 p.m., Room 112 Kern.
University Theatre, Jean Anouilh, *Thieves' Carnival*, 8 p.m., The Playhouse.

Friday, Feb. 10

World Future Society lecture, Jerry H. Reyburn, forestry resources extension, on "The Delphi Technique," 4 p.m., Room E-34 Pattee.
University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.
Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall.
Saturday, Feb. 11
Sports: coed rifle, v.s. Army and Lehigh, 10 a.m.; White; men's volleyball, v.s. Cornell, (ECVL game), 1 p.m.; Rec. Bldg.; women's basketball, v.s. Ursinus, 2 p.m.; White.
Shaver's Creek Nature Center, Nature Stories for Children, 1-3 p.m., Stone Valley.
New German Cinema, Werner Herzog, *Aguirre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Sunday, Feb. 12

University Chapel service, The Rev. Ernest Hawk, PSU, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Insects in Winter, 2 p.m., Stone Valley.
PSU Percussion Ensemble, 3:30 p.m., Music Bldg. recital hall.
New German Cinema, *Aguirre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.
Student Film Organization, Sci Fi Film Festival, *The Time Machine*, 7:30 and 9:30 p.m., Room 102 Forum.

Seminars

Thursday, Feb. 2

Philosophy (rescheduled). John Anderson on "Why Categories?" 4 p.m., Room 69 Willard.

Friday, Feb. 3

Remote Sensing, David P. Gold, geology, on "Structural Geology and Remote Sensing," 11 a.m., Room 173 Willard.

Monday, Feb. 6

Biochemistry and Biophysics, Paul Wrede, MIT, on "Structure and Function of 5S and 5.8S Ribosomal RNA," 3:55 p.m., Room 101 Althouse.

Computation Center, "ALP" (3 of 4), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.

Tuesday, Feb. 7

Biology, F.M. Williams, biology, on "Dynamical Analysis of Microbial Populations," 11:10 a.m., Room 111 Life Sciences.

Food Science, Gordon Duke on "Theories of Taste and Odor Perception," 11:10 a.m., Room 201 Borland.

Computer Science/Computation Center, M.J. Irwin, computer science, on "Improving the Speed and Accuracy of Arithmetic in Micro-computer Systems," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Donald Tennant, West Penn Power Co., on "Water Pollution Abatement in the Power Industry," 2:20 p.m., Room 128 Sackett.

Genetics, Robert Eckhardt, anthropology, on "Inbreeding Coefficients in American Primate Colonies," 3:55 p.m., Room 52 Freat.
Plant Pathology, Mike Seibert on "Phenolic Compounds as Phytoalexins and Preformed Substances — Hydroxyphenols and Protocatechuic Acid," 3:55 p.m., Room 213 Buckhout.
Nuclear Engineering, William Higginbotham, Oak Ridge National Laboratory, on "Weapons Proliferation and Safeguards," 4 p.m., Room 225 EE West.

Wednesday, Feb. 8

Fuel Science, Eugene H. Shull, fuel science, on "Holography Applications for the Study of Material Behavior Combustion Problems," 4 p.m., Room 301 Mineral Industries.

Thursday, Feb. 9

Ceramic Science, Tom Facey on "Investigation of the Si-B Layer Formed during Solid Source Doping of Semiconductor Silicon," 11 a.m., Room 301 Mineral Industries.
Chemistry, Malcolm H. Chisholm, Princeton University, on "Some Aspects of the Chemistry Surrounding Compounds Containing Triple Bonds Between Molybdenum and Tungsten Compounds," 12:45 p.m., Room 333 Whitmore.

Physics, W. S. Benedict, University of Maryland, on "Spectroscopy of Planetary Atmospheres," 3:50 p.m., Room 117 Osmond.
Agronomy, William Templeton, USDA Pasture Laboratory, on "Exploitation of Legumes in Livestock Production," 3:55 p.m., Room 111 Tyson.

Ecology, Samuel C. Mozley, North Carolina State University, on "Benthic Ecology of Thaw Ponds and Lakes in the Alaskan Arctic," 4 p.m., Room 101 Althouse.

Philosophy, Carl R. Hausman, philosophy, on "Value and the Perceivable Categories," 4 p.m., Room 101 Kern.

Computation Center, "APL" (4 of 4), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.
Microbiology and Cell Biology, Daniel Vapnek, University of Georgia, on "Molecular Studies on Antibiotic Resistance Plasmids in *E. coli*," 4 p.m., Room 52 Freat.
Computer Science, Janos Simon (UNICMP) "Random Numbers, Probabilistic Computations, and Models of Helping," 4 p.m., Room 325 Whitmore.

Exhibits

Anthropology Museum: open Tuesday, 9 a.m.-noon; Wednesday and Thursday, noon-5 p.m. Central American Pre-Columbian and Ethiopian artifacts.

Chambers Gallery: mixed media by art education graduate students.

Kern Commons Gallery: Harley Straus, photographs, "Rules, Roles, Rituals: IL," and Glen Ziemke, glass, both through Feb. 11.

Museum of Art: "The First Five Years," anniversary show of selections from the permanent collection.

Zoller Gallery: Major Contemporary Photographers, opens Feb. 4.



Faculty who will be representing "An Evening of Music by Franz Schubert" at 8:30 p.m. Monday, Feb. 6, in the recital hall are, from left, Robert Trehy, baritone; Philip Dettra, pianist; and the Alard String Quartet: Joanne Zagst, Donald Hopkins, Leonard Feldman and Raymond Page.

Arts Roundup

Musical and theatrical troupes to appear

La Grande Ecurie et La Chambre du Roy, a music group, and the Theatre du Double, a theatrical troupe, will present programs of 18th century French music and theatre at the University next week.

The theatrical presentation, *Le Supplément au Voyage de Bougainville* by Diderot, will take place Tuesday, Feb. 7, in Eisenhower Auditorium. Both programs begin at 8:30 p.m.

The musical program, featuring works of Rameau, Marin-Marais, Charpentier and Boismortier, will be performed Wednesday, Feb. 8, in the Music Bldg. recital hall.

Patrick Guinand of the Theatre du Double will direct his company in *Le Supplément au Voyage de Bougainville* by the philosopher, critic and encyclopedist Diderot.

The play, which will be performed in French, is a dramatization of Diderot's pamphlet, written in response to the journal of Louis Bougainville, who recorded his voyage to the Pacific in the mid 18th century. It is set in Tahiti and is constructed as a series of conversations that pit the natural virtues and happiness of the primitive life against the misery engendered by civilization.

The scenic design of the production has received considerable attention from European theatre critics. The principal set piece is a large tilted mirror that reflects a brightly patterned carpet, producing on the stage an illusion of a lush tropical setting.

Jean-Claude Malgoire, an oboe virtuoso and expert on French baroque music, conducts the music group, which has been critically acclaimed for the authenticity of its sound. This quality is achieved by the use of replications of baroque instruments, researched and designed by M. Malgoire. Included in the instrumentation are baroque versions of the violin, cello, flute, oboe and harpsichord.

The two companies, which together form the French Association Theatre et Musique, will begin an American tour with their appearance at the University. They operate under the auspices of l'Association Française d'Action Artistique of the Government of the



M. Malgoire

French Republic, with patronage of the Cultural Services of the French Embassy in the United States.

Their appearance at Penn State is sponsored in part by the Institute for the Arts and Humanistic Studies, the Department of French and the research offices of the Colleges of the Liberal Arts and Arts and Architecture. The Chambre du Roy performance is part of the Wednesday Night Music Series, a joint offering of the Artist Series and the Department of Music.

Tickets for the Theatre du Double are on sale at the Eisenhower box office from 9 a.m. to 4 p.m.

La Chambre du Roy tickets will be on sale at the HUB Artist Series booth from 9 a.m. to 4 p.m. Feb. 7 and at the recital hall box office for one hour before the performance.

'Thieves Carnival' to open

Guest director Richard Edelman of New York will direct the up-coming University Theatre Production of Jean Anouilh's *Thieves' Carnival* playing in the Playhouse Theatre on Feb. 9-11 and 14-18 at 8 p.m.

Mr. Edelman originally came to Penn State in 1967 to develop the acting program. For seven years he directed the touring Arts Company of the Department of Theatre and Film, and for five years he was artistic director for the Summer Festival Theatre.

Thieves' Carnival is a farce about three barely competent pickpockets who invade the summer holiday of a rich, noble family. Confusion and comedy reign, and names and disguises abound.

Tickets and reservations are available at the Playhouse Theatre box office Monday through Saturday from 1 to 6 p.m. or by calling 865-1884.

New Yorker poet to talk

Howard Moss, poet and poetry editor of *The New Yorker*, will give a public reading of his own work at 8 p.m. on Tuesday, Feb. 7, in Room 101 Kern Bldg. The program will be a part of the English Colloquium.

Mr. Moss, whose visit to University Park is sponsored by the Institute for the Arts and Humanistic Studies, will also attend a coffee hour for faculty and students at 9:30 a.m. on Wednesday, Feb. 8, in the Department of English office. A National Book Award winner (1971 for *Selected Poems*), he has also written on Edward Lear and Marcel Proust.

Evening of Schubert Feb. 6

Members of the music faculty will present "An Evening of Music by Franz Schubert" at 8:30 p.m. Monday, Feb. 6, in the Music Bldg. recital hall.

The program, the third in a series commemorating the 150th anniversary of the composer's death, will feature Philip Dettra, pianist, Robert Trehy, banjo, and the Alard String Quartet.

Mr. Dettra will open the concert with "Moussa musicaux, Opus 94," a series of short pieces for piano. The Quartet will then perform String Quartet in A Minor, Opus 29. The final portion of the program will be given over to Mr. Trehy, who will perform five Schubert songs: "Die Forelle," "Nacht und Traume," "An die Leier," "Im Fruhling" and "An die Musik."

Staff Vacancies

All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387).

Applications for these staff vacancies will be received until 5 p.m. Feb. 7.

DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

FLEET TRAINING SPECIALIST, CONTINUING EDUCATION, University Park. Outlets include planning, promoting and conducting workshops for motor fleet supervisors in the areas of personnel, training, safety, maintenance, security and general supervisory principles and practices. Travel (extensive) travel in the United States and Canada to host institutions to conduct these workshops. Research and develop related instructional materials. Coordinate and communicate with industry representatives in all aspects of these workshops. Direct and instruct workshops. Bachelor's degree or equivalent. Master's preferred. Must be an experienced supervisor with demonstrated capabilities. Must have a comprehensive understanding of the motor fleet industry. Must be an experienced instructor.

LEAD PROGRAMMER, MANAGEMENT ENGINEERING, University Park. Analyze and design computer logic development, test, document, and maintain programs; keep abreast of the state of the art techniques in system design and development. Bachelor's degree or equivalent in computer science or related field, plus three to four years of directly related experience in programming and system design. Proficiency in COBOL and/or PL/I on third generation computer equipment is desired.

MANAGER, ADMISSIONS DEPARTMENT, COLLEGE OF MEDICINE, Hershey. Responsible to the Associate Hospital Director/Director of Financial Affairs for carrying out the admissions and financial counseling policies of the hospital and for the supervision of the Admitting Office. A bachelor's degree in business or equivalency and two to three years of directly related experience are required.

WPSX Highlights

Masterpiece Theatre will present Leo Tolstoy's *Anna Karenina* on public television with a ten-episode dramatization, beginning Sunday, Feb. 5, at 9 p.m. Nicola Pagett and Eric Porter star.

How fit are most American women? Tennis player Billie Jean King talks about keeping fit, Monday, Feb. 6, at 8:30 p.m. on *Turnabout*. Marathon runner Joan Ulyot also appears on the program to offer tips for beginning joggers. Ms. Ulyot is the author of *Women's Running*.

Monday, Feb. 6, at 10 p.m., *The Originals: Women in Art* profiles sculptor Louise Nevelson, whose innovative environmental art is constructed of "found junk" which has been abandoned in the streets of New York. Ms. Nevelson's technique is dramatically demonstrated as she creates two sculptures on camera.

The dancing and music of the New Orleans Mardi Gras come to *In Performance at Wolf Trap* with "Fat Tuesday and All That Jazz," Tuesday, Feb. 7, at 8 p.m. The hour-long special includes West African dances, a traditional Mardi Gras parade, and an original jazz ballet with Haitian voodoo dancing and an old-style New Orleans funeral. Featured performers are the Arthur Hall Afro-American Dance Ensemble and the Dejan Olympia Brass Band from New Orleans' famed Preservation Hall.

Before World War II and their internment in detention camps, Japanese families in America shared a common dream — to earn enough money in the United States to enable them to return to a comfortable life in their homeland. The experiences of two Japanese families, eking out a living in California's Imperial Valley during the Depression, are the focus of *And the Soul Shall Dance*, a new Hollywood Television Theatre drama to be seen Tuesday, Feb. 7, at 9:30 p.m. Members of the Los Angeles' East West Theater are featured.

'Sports and Politics' lecture

Kenny Moore, Sports Illustrated journalist, Olympic marathoner and member of the President's Commission on Olympic Sports, will present a public lecture on "Sports and Politics" at 7:30 p.m. this evening (Feb. 2) in Room 123 Chambers Bldg.

The lecture is part of the College of Health, Physical Education and Recreation Colloquium Series and is co-sponsored by the Department of Journalism.

Funding Sources

For further information, call 865-1372

(302-1) The National Science Foundation has released information and instructions for researchers who wish to apply for research equipment during FY 1973. Important Notice No. 69 details information about eligibility and proposal preparation, proposal review equipment management, and special NSF requirements involving equipment. There is no application deadline.

(302-2) The new NSF Applied Science and Research Applications (ASRA) Directorate will replace the Directorate for Research Applications and the Research Applications Directorate. The new directorate is charged with strengthening links between applied research and basic research in the federal government, private industry, and educational institutions. High quality applied research proposals consistent with the 1966 Amendments to the NSF Act of 1950 will be funded. (Re: NSF Staff Memo OIO-78-2)

FELLOWSHIPS
For further information inquire at 320 Kern, 865-1372.
302-31 OE Vocational Ed Teacher Certificate Fellowships — new date Feb. 17 (202-245-9793).

302-41 OE Vocational Ed Graduate Leadership Development Awards (graduate study) (202-245-9793).

302-51 American Sociological Association — doctoral fellowships — Feb. 28 (202-433-5410).

302-61 Law Enforcement Assistance Administration — graduate research fellowships (202-376-5560).

Renoir film Feb. 5-6

france-cinema has scheduled *The Little Theatre of Jean Renoir* at 7 and 9 p.m. on Sunday and Monday, Feb. 5 and 6, in Room 112 Kern Bldg. The film is comprised of three vignettes on the theme of obsession. Domestic bric-a-brac, sumptuous dinners and the intricacies of a *menage a trois* are fondly captured by the vibrant color art of Renoir's master cinematographer, Georges Leclerc. The film is sponsored by the Department of French.

'XALA' screening Feb. 6

XALA (pronounced "Hala"), a feature-length film by Senegalese novelist and filmmaker Ousmane Sembene, will be shown at 7:30 p.m. on Monday, Feb. 6, in the Paul Robeson Cultural Center in Walnut Bldg.

Based on Sembene's novel of the same title, the film is an attack on capitalism and urban polygamy in contemporary West Africa. The word "XALA" means impotence.

The film was featured at the New York Film Festival in 1975 and New York Times reviewer Richard Eder described it as "cutting, radiant and hilarious." The film is in French with English subtitles.

Sponsors are the French Department, Comparative Literature Program, Black Studies Program, Paul Robeson Cultural Center, Institute for the Arts and Humanistic Studies, and Liberal Arts Undergraduate Studies Office.

Seven leading photographers to be exhibited at Zoller

"Photography: The Selected Image," an exhibition of the work of seven well known professional photographers, will have its national opening at the Zoller Gallery Saturday, Feb. 4, and will continue there through Feb. 22.

Included in the show, which is being funded by a grant from the National Endowment for the Arts, will be works by Harry Callahan, Laura Gilpin, Ray Kiskind, Arnold Newman, Aaron Siskind, Jerry Uelsmann and Garry Winograd.

The exhibition has been organized by Gerald Lang, associate professor of art at Penn State, and James Baker, instructor in art at Edinboro State College and a former student of Mr. Lang's.

Mr. Lang explains that the show has been designed to demonstrate the development of a photographic idea from initial concept to final exhibition, and that the seven artists selected for inclusion were chosen because of the diversity of their individual approaches to the medium.

Zoller's hours for the exhibition are 8 a.m.-5 p.m. weekdays and noon-5 p.m. weekends.

Penn State Intercom

President gives planning highest priority

Planning, both short-term and long-term, is his highest priority, President John W. Oswald said at a Feb. 1 press conference. "Consider the revision of the Academic Policy Plan the most important single thing the Trustees have directed me to do in some time," the President said. A revised plan is scheduled to be presented to the Board in October 1979.

"An emphasis in the next plan," according to Dr. Oswald, "will not be on numbers — other than to what extent they will stay level and to what extent they will drop — but on the mix of these numbers."

"Even more important, we must find ways to maintain the quality of our offerings so that we can continue as a major research university, as well as a teaching institution. To put it another way: How can we maintain balanced offerings at a somewhat lesser level of size and fiscal expenditure with accessibility to those we serve?"

Penn State's first Academic Policy Plan was formulated in 1972.

"When I came here in 1970," the President recalled, "Penn State was at the tag end of about as rapid a period of growth as an institution could absorb. It was clear that much of this growth — and I'm not being critical — had been ad hoc in nature, in the sense that there had been Campuses established here and there, a medical center had been set up, and graduate and undergraduate enrollment had increased greatly at University Park, without all of these pieces necessarily fitting together."

"Accordingly, a deliberate effort was made to define not only the mission of the University but also its magnitude in the 1972 plan."

At this stage in the revisions of the policy plan, an effort is being made to keep planning unstructured, Dr. Oswald emphasized.

"Rather than appoint immediately a commission of students, faculty and administrators," he said, "we want to try during the next two or three months to get as many ideas as possible into the process, whether they are popular or unpopular, far out or highly traditional. How do individuals who are part of this University see it going in terms of relationships with our Campuses, relationships with Hershey, future problems with research, with tenure, with tuition and other such issues?"

"We are asking people to write white papers about where they feel the University is headed, what are the areas, given some hard choices we'll have to make, that may have to be eliminated or vastly reduced. I hope that in the next three to four months, as a result of these papers, some rather fundamental questions will come out before the entire University community, and I suspect that there will be a lot of discussion about them."

Turning to the months he has spent trying to resolve Penn State's crucial fiscal problems, Dr. Oswald noted that he was not very optimistic about the appropriation recommendation which

will be contained in the Governor's budget message (due Feb. 7).

He does not expect another tax struggle this year, however, since this is an election year. He feels the situation will be similar to that four years ago when there was a very early budget solution — perhaps by some time in July. He also expects that it will be a "very tight solution."

"On the bright side," he continued, "are the Federal budget recommendations presented to the Congress by President Carter. The provisions for education in the budget of the Department of Health, Education and Welfare were increased 18 percent, most of this in student aid."

"This is so crucial for our institution as tuition goes up," Dr. Oswald pointed out. "Last year, nearly 9,000 of our students received Federal Basic Educational Opportunity Grants and nearly 16,000 received Pennsylvania Higher Education Assistance Agency grants. Some received monies from both sources. An unspecified HEW contingency fund of \$700,000 has also been proposed to relieve pressure on middle income families, and the family assets allowance is proposed for increase."

In addition, the new Carter budget, the President said, includes increases in research and development funds — from \$26.3 billion to \$27.9 billion. Basic research funds are increased 10.9 percent.

The University, Dr. Oswald pledged, will make every effort "to live within the realities of its income. By far the greatest increase in new income must come from

within the University itself."

To better enable Penn State to make short run reductions, the Provost is currently conducting daily budget hearings, and a group of six University administrators has visited every Commonwealth Campus, querying them in depth about their operations and programs.

"What makes it particularly difficult is that we have some areas of the University which are still growing while others are falling off," Dr. Oswald said.

"Enrollments at some Campuses are tending to fall off somewhat, whereas University Park will have a slight growth next year. Enrollment pressures will again be very heavy percentage-wise at the Colleges of Business Administration, Engineering and Agriculture."

Last year, the President noted, \$5,413,000 was reallocated from various units of the University to put into new salaries and to meet mandated contributions to Social Security and higher energy costs.

Of that amount, 43 percent came from the Office of Physical Plant; 23 percent from non-College, administrative divisions at University Park, such as Student Affairs, Admissions and other support agencies; 22 percent from the Colleges; 7 percent from staff benefits contributions for persons no longer employed by the University; 4 percent from the Commonwealth Campuses; and 2 percent from Behrman College, Capitol

(Continued on page 4)

News in Brief

Ag College to train Venezuelan personnel

The College of Agriculture is playing a major role in an extensive effort by Venezuela to achieve agricultural self-sufficiency.

Officials of the University and Venezuela's National Institute for Cooperative Education (INCE) have signed a five-year, \$3.6 million contract aimed at improving agricultural education in the South American country.

Primary objective of the cooperative program, officials said, is to assist INCE in the development of an expanded and improved professional education base for training instructors and, ultimately, agricultural workers for national self-sufficiency in agricultural production.

The contract is the second five-year program developed by Penn State and the National Institute. The initial \$1,034,154 contract, signed in December, provides for occupational and vocational training to the working class of Venezuela.

Dr. Robert H. McAlexander, coordinator of international programs in Penn State's College of Agriculture, and Dr. Gene M. Love, head of the Department of Agricultural Education, are co-managers of the agricultural education project.

A number of College of Agriculture faculty members will go to Venezuela to assist in the training. At the same time, qualified INCE personnel will enroll in

master's and doctoral degree programs at Penn State. Besides the degree training programs, Institute instructors will take non-degree training at Penn State and at other locations in the United States. Another major aspect of the project will be the development of a high quality agricultural educational institution at San Carlos, Venezuela.

Calendar news due

Information for the spring term INTERCOM calendar should be sent by Friday, Feb. 17, to Lee Morrill, calendar editor, Room 312 Old Main, 865-2501.

Motor vehicle auction Feb. 10

The University will auction 30 vehicles, both vans and sedans, manufactured between 1970 and 1975, beginning at noon Friday, Feb. 10, at the Salvage and Surplus Warehouse, north of the test flower gardens.

Valentine's Day dinner at HUB

The HUB Terrace Room will offer its annual Valentine's Day Candlelight Dinner from 4:45 to 7 p.m. on Monday, Feb. 13, and Tuesday, Feb. 14. There will be live entertainment both evenings.

The menu will feature veal paprika, prime rib of beef au jus, sautéed shrimp and scallops on a bed of rice, baked chicken with fruit sauce, roast leg of lamb bouquet, and double pork chop stuffed with herb dressing.

Identification cards issued to handicapped

Identification cards are now available for handicapped students who need help in getting around the University Park campus.

Issued by Dr. John A. Hargleroad II, director of Ritecure's Health Service, the cards offer students with either permanent or temporary disabilities such assistance as the use of non-public elevators, special keys, and permission to obtain seats in the front of classrooms or to move to the head of a line.

Cards are issued for a specific time period, which is marked on them. Dr. Hargleroad will make a determination for each case, depending on the type of handicap the student has and the length of time he or she will be at Penn State.

Dr. Daniel R. Leasure, assistant vice president for student services, asks faculty and staff not only to help students holding the cards but also to advise eligible students that they are available.

Charter groups forming for AAHE meeting

Charter groups are being formed to provide travel economies for persons planning to attend the American Association for Higher Education meeting March 19-22 in Chicago. The AAHE meeting will be preceded by a special session on March 18 sponsored by the Association for the Study of Higher Education. Information about charters may be obtained by contacting either

Renee Friedman, Center for the Study of Higher Education, 865-8366, or Kay Rogers, Centre for Travel, 238-4987.

Nominations again asked for Campuses associate dean

Dean Robert G. Quinn reminds faculty that Feb. 21 is the deadline for nominations and applications for the position of Associate Dean for Academic Instruction for Commonwealth Campuses.

Materials should be sent to Dr. Michael Cardamone, chairman of the advisory search committee for the position, Room 111 Old Main, University Park. Other committee members are Michael Barendse, Patricia Overder, Albert Skomra, Dr. Walter Severs, Dr. Kent Forster, Edward Elias, Dr. James Gallagher, and Norman Aamodt.

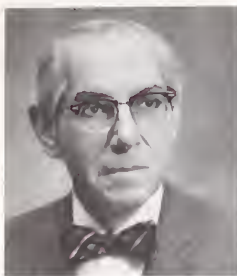
Student Phonathon seeks alumni help

Penn State's major scholarship programs, along with two special projects, are getting a boost through the efforts of some 450 students, who have been calling the University's alumni on a battery of telephones to ask their help.

The Lion Line Phonathon, which was originally conceived by the Office of Gifts and Endowments, began Jan. 23 and will continue through Feb. 9. Groups of 40 to 60 students work each night. Many of them currently receive scholarship aid; others are members of honorary societies

(Continued on page 4)

Penn Staters



Dr. Thomas A. Wiggins, professor of physics, recently marked 25 years of service to the University.

A Penn State alumnus, Dr. Wiggins earned B.S. and Ph.D. degrees at the University. He also holds an M.S. degree from George Washington University.

His research interests include atomic and molecular spectroscopy and spontaneous and stimulated scattering of laser light from gases, liquids and transparent solids. His current research is in the measurement of optical constants of semi-conductors during intense radiation. He is the author of 100 research publications and has been involved in the training of about 20 M.S. and 15 doctoral degree candidates.

Dr. Wiggins has taught at all instructional levels with an emphasis on introductory work for science and engineering students.

A consultant for the spectroscopy section of the National Bureau of Standards, he is a member of Sigma Xi, scientific honorary, and a Fellow of the American Physical Society and the Optical Society of America.

Dr. Alfred A. Triolo, associate professor of Spanish and Italian, spoke last month at the University of Pittsburgh's Center for Medieval and Renaissance Studies. His topic was "Structure and Function in Dante's Inferno: A Pause Along the Road to a New Analysis."

Dr. Julian Hecklen, professor of chemistry, has been elected a Fellow of the New York Academy of Sciences. Dr. Hecklen is internationally known for his work on the chemistry of air pollution.

An essay by **John Balaban**, associate professor of English, has been selected from among almost 4,000 nominations for inclusion in *The Pushcart Prize, III: Best of the Small Presses, 1978-79*. The book will be published in hardback by Pushcart Press this spring and in paperback by Avon next winter.

Dr. William R. Bradley, associate professor of art education, has been named a Distinguished Alumnus by his alma mater, Westmar College, in LeMars, Iowa. He will deliver a convocation address at Westmar in April.

Harold B. White Jr., associate professor of health and physical education, has been named director of the Division of Recreational Sports in the College of Health, Physical Education and Recreation. The division, which coordinates intramural athletic events, sports clubs, and student and faculty recreation programs, is one of three major areas within the College, the other two being academic programs and intercollegiate athletics.

A Penn State faculty member since 1948, Prof. White has developed the University's sports clubs program, which serves more than 7,000 students in some 25 clubs. He received a B.S. in recreation leadership and an M.S. in education from the University of Massachusetts

Imbue vocational training with liberal learning, writer says

Editor's note: The comments that follow were prepared as part of the discussion on the Baccalaureate Degree Requirement issue currently before the University Faculty Senate.

Today's concept of vocational education has been hailed both as a "model for an egalitarian future, offering equal opportunity for all," and condemned for contributing to "the future slums of higher education". While speculation continues over future enrollment and program development, vocational education is posing specific problems to administrators and faculty related to the traditional role of higher education.

Vocational education offers alternative educational goals and provides comprehensive higher education on a short-term basis. As such, the traditional four-year colleges and universities have had to incorporate these programs into the regular curriculum as the demand for them has increased. However, a majority of the students admitted to these programs have not had the same background in preparation and training as the students who are generally considered "college material". Traditional institutions that are now offering vocational programs have found that a substantial change must take place in attitudes toward new students and in the programs and services designed for them. A 1975 survey has shown that the greatest need for change was in the area of faculty-student relationships. An increasing number of faculty members have shown a willingness to experiment with new programs and methods of instruction. More individualized instruction is becoming beneficial to both teacher and student. Remedial education is now an accepted, integral part of vocational education, with a rapid increase in the use of special skills centers and audiovisual materials. Today, 61 percent of the faculty involved in vocational learning are now prepared to work with low-achieving students.

This is also becoming manifest in the liberal arts area, where students are responding to remedial and individualized instruction. In terms of enrollment, this new adaptation to the needs and backgrounds of student population is apparently a success. To add to the optimistic enrollment projections, the Department of Health, Education and Welfare appropriated \$7.5 million to aid development programs for vocational education last year. The short-term programs often associated with vocational education offer at least a partial cure to what is often called the "fear of failure" syndrome — where low-achievers fail to attempt post-secondary education for fear that they will not survive the four years of college.

However, in spite of the current trend in believing that college graduates cannot get jobs and a technically-trained student has more employment advantages, vocational education is not the ultimate answer to our inflation wracked economy. In fact, it is a misconception to perceive the economy as requiring a fixed supply of occupational skills. Rather, the economy itself responds flexibly to mixes of available skills. The most critical element in the employment situation for college graduates in the coming years will be the necessity of absorbing some college educated persons into jobs which have not been traditionally filled by persons with a college education. Will college graduates be placed in "educationally upgraded" positions, or will they be "occupationally downgraded" college graduates?

To offset this problem, all involved in higher education must begin to focus on the self-development and growth of the students themselves. Career development, then, may be understood to be an educational operation rather than a "listing and matching" office. A liberal arts education can contribute much towards the continuing development of the individual and society.

John Gardner once said, "An excellent plumber is infinitely more admirable than an incompetent philosopher. The society which scorns excellence in plumbing because plumbing is a humble activity and tolerates shoddiness in philosophy because it is an exalted activity will have neither good plumbing nor good philosophy. Neither its pipes nor its theories will hold water." General education and liberal arts are usually the losers when it comes to a debate on the relationship of education and jobs. This is harmful because potential students and budget watchers are misled into making decisions on the basis of inadequate facts. One of the problems with current surveys on the job market is that they are usually made too soon after graduation. Statistics show that given a certain time period, at least 70 percent of the college graduates will eventually find a job that suits their career potential or training. In fact, the skills employers seek are the adaptive skills of liberal education, not the specific skills of vocational training. This flexibility is an asset when graduates find that they may change jobs several times during their lifetime. It also is an asset when college graduates find that they may be suited to several different types of employment when looking for work, rather than narrowed to one category.

Let us acknowledge that there is a need and a place for vocational education, and that most students are going to enter the work force upon completing their formal training. We should not fail, however, to note a number of ironies.

First of all, most institutions, public and private, throughout the world today are seeking as leaders, broadly educated men and women who have mastered the methods of understanding and problem-solving, not the narrowly trained specialist. Secondly, the seemingly unyielding problems of our times will not be solved by vocational education any more than by good intentions alone, but will require the attention of educated and trained men and women of high moral purpose. This is not the time to interrupt the progress of our professional social service programs. The social benefits of post-secondary education, and the development of vocational education has resulted in a paradox. On the one hand, vocational education was designed to help the underdeveloped economic areas of our cities and towns through an egalitarian and easily accessible education. But at the same time, terminal programs do not allow for the development of trained personnel in social services who could contribute much to the elimination of the problems of poverty and poorly trained students.

Education contributes to the improvement of life. Therefore, those of us in higher education ought to help unite the profession by imbuing vocational training with liberal learning. A better, enriched society will be the end result.

Rebecca I. Denova,
Assistant to the Dean of Student Affairs,
Beaver Campus

From the Press

Educating for Careers: Policy Issues in a Time of Change, edited by Thomas F. Powers with the assistance of John R. Swinton. 190 pages. \$12.50.

The major questions of policy in matching the nation's educational system with its employment needs are explored by 18 educators, industrialists, labor leaders, and government officials. Among the issues examined are career planning, the effects of the economic climate on career education, the use and misuse of certification and credentialism, the interface between general and career education, and the responsibilities of various educational agencies.

The book is aimed at teachers and administrators in high schools, community colleges, colleges and universities, and vocational or trade schools. It explores ways to deliver the fullest and best education, both for work and non-work roles.

Dr. Powers is professor of organizational behavior and is in charge of the Food Service and Housing Administration (FSHA) Program at Penn State. Dr. Swinton is a research assistant in the FSHA program.

Religious Encounters with Death: Insights from the History and Anthropology of Religions, edited by Frank E. Reynolds and Earle H. Waugh. 336 pages. \$14.50.

Insights are presented into many of the ways in which people in various parts of the world have encountered death, come to terms with it, and — in some senses — transcended it.

Following a general introduction, there are two major chapters on mythic and sacramental responses by Mircea Eliade and Victor Turner. They are followed by explorations into individual and communal encounters with death in a variety of traditions: Aztec, Muslim, Zoroastrian, Buddhist, Hindu, Jewish, Bugandan, and Christian. Changes in these traditions are discussed, with attention to the impact of such events as the Nazi Holocaust and American presidential assassinations.

Dr. Reynolds teaches Buddhist Studies at the University of Chicago and has been Evans-Wentz Lecturer at Stanford. Dr. Waugh teaches religious studies at the University of Alberta.

The Ethnic Imperative: Examining the New White Ethnic Movement, by Howard F. Stein and Robert F. Hill. 301 pages. \$14.50.

The authors argue that the new ethnicity is characterized more by a cutting of roots than by cultivation of them, particularly among descendants of recent European immigrants to America. The American Dream, they contend, was sought by immigrants from Ireland or eastern, central and southern Europe, not imposed upon them. The book is partly a rejoinder to apologists for the New White Ethnic movement, partly a sympathetic critique of the movement.

Dr. Stein and Dr. Hill distinguish between current ideological ethnicity and earlier un-self-conscious behavioral ethnicity. For the study, they draw upon their own extensive research among Slovak-Americans and Polish-Americans.

The authors were both Maurice Falk Medical Foundation Fellows at the University of Pittsburgh. Dr. Stein is a member of the Department of Psychiatry at Meharry Medical College. Dr. Hill is in the Department of Family Practice, Community Medicine and Dentistry at the University of Oklahoma Health Sciences Center.

University Park Calendar

Feb. 9 — 19

Special Events

Thursday, Feb. 9

Comp. Lit. film series, *Paisan*, Italian with English subtitles, 7 and 9 p.m., Room 112 Kern. International Council slide show, "The Struggle for Palestine," 7:30 p.m., Room 101 Kern. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Friday, Feb. 10

World Future Society lecture, Jerry H. Reyburn, forestry resources extension, on "The Delphi Technique," 4 p.m., Room E-304 Pattee. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 11

Sports: coed rifle, vs. Army and Lehigh, 10 a.m.; White: men's volleyball, vs. Cornell (ECVL game), 1 p.m., Rec. Bldg.; women's basketball, vs. Ursinus, 2 p.m., White. Shaver's Creek Nature Center, Nature Stories for Children, 1-3 p.m., Stone Valley. France-cinema, *The Marquis of O*, 7 and 9 p.m., Room 112 Kern. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Sunday, Feb. 12

University Chapel service, The Rev. Ernest Hawk, PSU, 11 a.m., Eisenhower Chapel. Shaver's Creek Nature Center, Insects in Winter, 2 p.m., Stone Valley. PSU Percussion Ensemble, 3:30 p.m., Music Bldg. recital hall. France-cinema, *The Marquis of O*, 7 and 9 p.m., Room 112 Kern. Department of Theatre and Film, *Godfather II*, 7 p.m., HUB Assembly hall. Student Film Organization, Sci Fi Film Festival, *The Time Machine*, 7:30 and 9:30 p.m., Room 102 Forum.

Monday, Feb. 13

Valentine's Day Candlelight Dinner, 4:45-7 p.m., live entertainment, HUB Terrace Room. France-cinema, *The Marquis of O*, 7 and 9 p.m., Room 112 Kern. Comp. Lit. film series, *The Pursuit of Happiness*, 8 p.m., Room 112 Kern. Free admission. Rebecca McKee, viola, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 14

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Vickie Ziegler, German, on "Upstairs, Downstairs, Across the Channel." Valentine's Day Candlelight Dinner, live entertainment, 4:45-7 p.m., HUB Terrace Room. FSBA French Dinner, "St. Valentine's Day at Maxim's," 7 p.m., Maple Room, Henderson. Reservations: 865-7441. France-cinema, *Duras, Destroy, She Said*, 7 and 9 p.m., Room 112 Kern. American Society for Metals lecture, C.W. Tinkle, *Glidden Metals Co.*, Johnston, on "From Powder to Parts," 7:30 p.m., Room 301 Mineral Industries Bldg. Artists Series Film Festival, Keaton, *Grand Slam* (1926), *The Palace*, *The Electric House*, *Shellock*, 8 p.m., Eisenhower Auditorium.

Wednesday, Feb. 15

Sigma Delta Epsilon meeting, noon, Room 101 Kern. Sports: men's swimming, vs. Bloomsburg, 4 p.m.; Natatorium; men's basketball, vs. West Virginia (EAA game), 7:30 p.m., Rec. Bldg. 5 O'Clock Playwright's Theatre, Harry Zimber, *Straight Joints*, 5:30 p.m., Pavilion Theatre. Commonsplace Theatre, *They Drive by Night*, 7:30 and 9:30 p.m., Room 112 Kern. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse. Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 16

College of Education faculty luncheon, 12:30 p.m., Room 101 Kern. Economics faculty meeting, 3 p.m., Room 101 Kern. 5 O'Clock Playwright's Theatre, Zimber, *Straight Joints*, 5:30 p.m., Pavilion Theatre. Dance meeting, 7:30 p.m., Room 101 Kern. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.



Friday, Feb. 17

5 O'Clock Playwright's Theatre, Zimber, *Straight Joints*, 5:30 p.m., Pavilion Theatre. Folk and Square Dance Roundup, 7:30 p.m., Room 133 White. Shaver's Creek Nature Center, Fireside Reading, 8 p.m., Stone Valley. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse. Artists Series, Paul Taylor Dance Company, 8:30 p.m., Eisenhower Auditorium. Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 18

Last date for submitting petition to Records Officer to graduate in absentia in March. Sports: women's fencing, vs. Brockport and Indiana (Pa.), 9 a.m.; White: men's fencing, vs. Pace, 1 p.m.; Rec. Bldg.; women's swimming, vs. West Virginia, 1 p.m.; and men's swimming, vs. West Virginia, 4 p.m., both at Natatorium; wrestling, vs. Pittsburgh (EWL meet), 7 p.m.; and vs. Syracuse, 9 p.m., Rec. Bldg. Eco-Action, Recycling, 10 a.m.-3 p.m., Parking Lot 83 (behind food gardens) and Boalsburg Fire Hall. Student Film Organization, Sci Fi Film Series, *Death Races 2000*, 7:30 and 9:30 p.m., Room 102 Forum. University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse. Artists Series, Paul Taylor Dance Company, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 19

University Chapel service, The Rev. Michael Scrogin, University Baptist Church, State College, 11 a.m., Eisenhower Chapel. Shaver's Creek Nature Center, Animal Tracks and Traces, 2 p.m., Stone Valley. Karen Eckenroth, soprano, and Gretchen Lucas, mezzo-soprano, 3:30 p.m., Music Bldg. recital hall. Quarterback Club banquet (rescheduled because of weather), 6 p.m., HUB ballroom. Department of Theatre and Film, *Men Struts*, 7 and 9 p.m., HUB assembly hall. Sports: hockey, vs. Lehigh, 7:30 p.m., Ice Pavilion.

Exhibits

Anthropology Museum: Central American, Pre-Columbian and Ethiopian artifacts.

Chambers Gallery: mixed media by art education graduate students.

Frost Entomological Museum: Architecture of Insects and Related Arthropods.

HUB Gallery: "History of Fraternities and Sororities at Penn State," exhibit from the Penn State Room, through Feb. 15; metal sculptures by Haitian artist Murat Benne.

Seminars

Thursday, Feb. 9

Computation Center, "APL," (4 of 4), suggested for users of research accounts, 7:30 p.m., Room 102 Forum.

Friday, Feb. 10

Remote Sensing, Donald N. Thompson, research associate, forestry, on "Mapping the Vegetation of Asateague Island from Color IR Photography," 11 a.m., Room 173 Willard. Physical Chemistry, David Drachon, on "Vaporization and Thermodynamics of Ti_2Co_2 ," 4 p.m., Room 333 Whitmore.

Monday, Feb. 13

Biochemistry and Biophysics, Gary Shepherd, PSU, on "Fluorescence Energy Transfer: A Method to Determine Distances within Macromolecular Complexes," 3:35 p.m., Room 101 Althouse.

Tuesday, Feb. 14

Biology, M.E. Sanders, biology, Mont Alto, on "Colchicine-Induced, Diploid, True Breeding, Complex Mutants in Sorghum and Exploitations of Other Species for Similar Effects of Colchicine," 11:10 a.m., Room 111 Life Sciences.

Food Science, Silva Mayer, on "Flavor Formulation for the Developing Countries," 11:10 a.m., Room 201 Borland.

Computer Science/Computation Center, H.D. Knoble, computation center, on "Public Privacy Transformations, An Overview," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Edward Gillette, Betz Environmental Engineers, Plymouth Meeting, Pa., on "Water Pollution Control for a Combined Municipal-Food Processing Waste," 2:20 p.m., Room 128 Sackett. Genetics, Gilda Cheatham, on "Gene Mapping by In Situ RNA-DNA Hybridization," 3:35 p.m., Room 52 Frear.

Plant Pathology, Larry Lathrop, on "Preformed Substances as Potential Protectants — Cyanogenic Glycosides," 3:35 p.m., Room 213 Buckhout.

Kern Commons Gallery: Harley Straus, photographs, "Rules, Roles, Rituals II," and Glenn Ziemke, glass, both through Feb. 11. African fabrics, opens Feb. 11.

Museum of Art: "The First Five Years," anniversary show of selections from the permanent collection.

Zoller Gallery: "Photography: The Selected Image," photo invitational exhibit.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Thursday, Feb. 16

Ceramic Science, Kelly McHenry, on "Subcritical Crack Growth in SiC Ceramics as a Function of P/O and Temperature," 11 a.m., Room 301 Mineral Industries.

Chemistry, J. L. Koenig, Case Western Reserve University, on "Applications of Fourier Transform Infrared Spectroscopy to Chemical Systems," 12:45 p.m., Room 333 Whitmore.

Physics, Charlotte F. Fischer, computer science, on "Hartree-Fock Method for Atoms: A Numerical Approach," 3:30 p.m., Room 117 Osmond.

Agronomy, Harold Marshall, USDA-PSU, on "Breeding for Winter Hardiness in Small Grains in the USSR," 3:35 p.m., Room 111 Tyson.

Computer Science, Robert Daley, University of Pittsburgh, on "A Survey of Minimal Program Complexity," 4 p.m., Room 325 Whitmore.

Friday, Feb. 17

Remote Sensing, Larry Garnezy, on "The LANDSAT Expression of the 38th Parallel Lineament," 11 a.m., Room 173 Willard.

Higher Education, Ernest J. Bartell, C.S.C., director, Fund for the Improvement of Post-secondary Education, Washington, D.C., on "The Fund for the Improvement of Post-secondary Education: Its Present and Future," 1 p.m., Room 101 Kern.

Computer Science, Robert Daley, University of Pittsburgh, on "A New Solution to Post's Problem," 2:20 p.m., Room 316 Whitmore.

WPSX Highlights

Highlights of the Penn State-Lehigh wrestling meet to be held in Recreation Building Feb. 11 will be presented in a two and one-half hour special. **Wrestling: Penn State Versus Lehigh** is scheduled for Sunday, Feb. 12, at 11:30 a.m.

Anyone for Tennyson? begins a three-part dramatization of the lives and works of three English romantic poets on Monday, Feb. 13, at 10:30 p.m. The programs recreate the literary world of London's Regency period and portray Byron, Keats, and Shelley. Jean Marsh and Rachel Gurney of **Upstairs, Downstairs** make guest appearances.

After World War II, the American army confiscated thousands of paintings, drawings, and etchings ordered by Adolf Hitler to support his theory of the superiority of the "Aryan Race." This collection of propaganda art, one of the world's largest, is the subject of **Of Race and Blood**, a 90-minute documentary to be seen Thursday, Feb. 14, at 8 p.m.

Pennsylvania Secretary of Health Leonard Bachman, among those scheduled to appear on **Pennsylvania Hotline: The Rights and Needs of Older People**. The live, call-in program, to be seen Thursday, Feb. 16, at 7 p.m., reviews Pennsylvania's services to its older residents and gives viewers the opportunity to ask specific questions.

People are only beginning to understand the whale, a remarkable creature whose struggle for survival has concerned many environmentalists. In a new **National Geographic Special**, Thursday, Feb. 16, at 8 p.m., public television explores the life of the world's oldest living mammal in light of old whaling tales and some recent scientific research. "The Great Whales" is narrated by Alexander Scourby.

Japan is now the third richest nation in the world, with remarkably high per capita production. In an unusual personal essay, "Holy Growth," English filmmaker Anthony Thomas looks at the price Japan is paying for its postwar growth — a mixture of decay and affluence. The documentary is part of the biweekly series, **World**, and can be seen Thursday, Feb. 16, at 9 p.m.

Arts Roundup

Brass Choral winter concert

The Penn State Brass Choral, conducted by James Benshoof, will present its winter concert at 8:30 p.m. Friday, Feb. 10, in the Music Building recital hall.

The program will include three works by contemporary American composers, two of which will have their European premieres when the Choral makes its first concert tour abroad at the end of February.

"Sinfonia for Brass and Battery" was written by Byron McCulloch, a member of the Pittsburgh Symphony Orchestra. The other modern American works are "Three Episodes for a Brass Choir" by John J. Daye, of Old Dominion University, and "Pridarus and Suzanne" by Penn State student Frank Yannet.

The program also includes "Music for a Tournament" by Vaclav V. Nelhybel, "Ouverture Pour Une Ceremonie" by Eugene Bozza, and "Fanfare, Scherzo and Allegro" by Leonard Wagner.

Alard to play all-Beethoven program

The Alard String Quartet, will perform an all-Beethoven concert at 8:30 p.m., Wednesday, Feb. 15, in the Music Building recital hall.

The program is the second of the Quartet's all-Beethoven offerings, which they are presenting to augment the Beethoven programs which are being performed this year by visiting quartets in the Artist Series' Fine Arts Series.

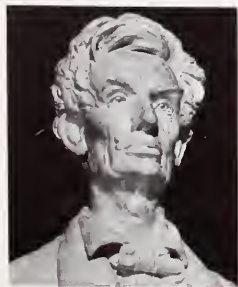
Included on the program are Quartet in D Major, op. 18, No. 3 (1779), Quartet in E-flat Major, op. 74 "Harp" (1809) and the Quartet in C-sharp Minor, op. 131 (1826).

Members of the Quartet are Joanne Zagst and Donald Hopkins, violinists, Raymond Page, violist, and Leonard Feldman, cellist.

Rohmer's "Marquise of O" to be shown Feb. 11-13

Eric Rohmer's *The Marquise of O*, which won the special jury prize at the 1976 Cannes Film Festival and near unanimous praise from the New York critics when it was screened at the New York Film Festival that same year, will be shown at 7 and 9 p.m. Saturday, Sunday and Monday, Feb. 11-13, in Room 112 Kern Building. The film is being sponsored by the French Department and replaces *Agurru, the Wrath of God*, which has been rescheduled for April 7 and 10.

Rohmer, the French director of *Clair de lune*, uses an 1808 novella by Heinrich von Kleist as the basis of his film. It is the story of a mysteriously impregnated young woman (Edith Clever), who won't accept the courtship of the man who secretly seduced her (Bruno Ganz). Rohmer's sets evoke the neoclassical paintings of Ingres and David.



Lincoln plaster model by George Grey Barnard is currently on display in Room 116 Arts Bldg.



Paul Taylor dancers in "Aureole."

Dancers to appear Feb. 17-18

The Paul Taylor Dance Company will be appearing in Eisenhower Auditorium on Friday, Feb. 17, and again on Saturday, Feb. 18, at 8:30 p.m. under the auspices of the Artists Series.

The Friday night concert, which is part of the Theatre/Dance Series, is completely sold out. Tickets for the Saturday performance will be on sale at the HUB Booth and Eisenhower Auditorium from 9 a.m. to 4 p.m. Wednesday, Feb. 15, and Thursday, Feb. 16.

Paul Taylor, who has been called a "giant among dance choreographers" by Time magazine, has choreographed over 75 dances for his company. Born in Pennsylvania, he attended Syracuse University where he studied painting. He later went to New York where he started his dance career by studying with Martha Graham, Margaret Craske and Anthony Tudor. He is a recipient of many awards, including a Guggenheim Fellowship and a Festival of Nations International Award.

Now in its 21st year, the company has danced in more than 200 cities in the United States, has completed 23 overseas tours and has represented the United States in art festivals in 35 different countries.

For their Saturday evening performance, the company will dance "Aureole," "3 Epithets," "Polans" and "Cloven Kingdom."

Art ed students exhibit

An exhibit of art work by graduate students in art education is open in Chambers Gallery. The show, including both two-dimensional and three-dimensional works, represents the varied artistic interests and talents of 13 current master's and doctoral students.

The exhibit will continue through Feb. 25. Chambers Gallery is open Monday through Friday from 8 a.m. until 5 p.m.

Dickson to discuss lost Lincoln shrine

Harold Dickson, professor emeritus of art history, will present an illustrated lecture on "A Lost Lincoln Shrine" at 4 p.m. Sunday, Feb. 12, in the HUB assembly room.

Mr. Dickson's talk will deal with the Lincoln works of sculptor George Grey Barnard, who created many works of the martyred president, including the bronze full figure Lincoln that stands in the HUB lounge and the Lincoln head in the Alumni Lounge in Old Main.

Specifically, Mr. Dickson will talk about a Lincoln shrine that Barnard designed but which was never built. The talk will be illustrated with slides of Barnard's work, including one of the shrine that has never before been seen publicly.

Funding Sources

For further information, call 865-1372

(003-2) The National Science Foundation has set March 1 as the deadline for preliminary proposals under the Joint NIE-NSF Program of Research on Cognitive Processes and the Structure of Knowledge in Science and Mathematics. The focus will be learning activities for students ranging from elementary school to introductory college level. Settings outside the conventional school environment are also included. (NSF Important Notice No. 70)

(003-2) The National Endowment for the Humanities (NEH) supports a program of Higher Education Curriculum Materials for the development, testing, and dissemination of exemplary curriculum materials in the humanities. Awards range from \$1K to \$350K. The annual deadline is April 1. (Ref. OEP Deadline Dates)

(003-2) NEH Young Grants in the Humanities will support projects developed and conducted by students and other young people. These awards have ranged from \$500 to \$100K. The next deadline is April 15. Contact Ms. Marion Blackley at NEH (202-724-0396). (Ref. OEP Deadline Dates)

News in brief

(Continued from page 1)

and service organizations, and students from the Colleges of Business Administration, Engineering and the Liberal Arts are also participating.

Engineering students are calling alumni of their College to ask support for an Engineering Activities Center, which is being planned at University Park as an area for more personal contact between students, alumni and faculty members.

Liberal Arts students are asking alumni to support their College's internship-career development program.

Last year, callers obtained more than \$60,000 in pledges from alumni for University programs, including the Penn State Scholars Program, Ridge Riley Fund, Renaissance Fund, Alumni Memorial Fund and the National Merit Fund, among others.

The Phonathon is being coordinated by Cynthia Tiff and George A. Moellenbrock of the Office of Gifts and Endowments.

Rev. Bartlett to speak on postsecondary education

The Rev. Ernest J. Bartlett, C.S.C., director of the Fund for the Improvement of Postsecondary Education in Washington, D.C., will present a seminar at 1 p.m. Friday, Feb. 17, in Room 101 Kern Graduate Building. He will discuss the Fund's present and future. His talk is sponsored by the Center for the Study of Higher Education and the Higher Education Student Association.

President

(Continued from page 1)

Campus and the King of Prussia Graduate Center. Hershey's budget is considered separately.

"Sixty six percent or two-thirds of the amount cut was taken from non-direct teaching and research sources in the institution," Dr. Oswald said.

Commenting on the constitutional amendment proposed by State Senator J. Doyle Corman calling for the State-related appropriations to be made a part of the general appropriations bill and thus prevent the legislature from separating them as it did last summer, Dr. Oswald said, while commending Senator Corman on his efforts, that the possible results of such an amendment must be studied.

"We are trying to get legal opinions," he explained, "to determine if such an amendment might enable the legislature to make Penn State a direct part of State government."

"These are only 'for instances,' and I don't say they would happen, but could Penn State employees be made part of the State personnel system? Could Penn State's purchasing be taken over by the State purchasing department? Could Penn State's ability to deal with its own finances and write its own checks be moved to the State treasury?"

"I think many legislators felt a little uncomfortable that in order to get at the tax fight, the State-related universities had to become 'the hostage.' I hope this problem can be resolved, but it must be resolved in such a way that Penn State doesn't lose its autonomy — not its accountability but its autonomy."

The President also acknowledged the efforts that Rep. Helen Wise is putting in on this same issue.

In response to other questions, the President said:

— He hopes tuition increases, if they come next year, will be only minimal.

— The Trustees have not decided on new fees for students living in the residence halls. Although some increase will probably be necessary, he hoped it will not much exceed last year's. He is also concerned about the recently announced rent increases for downtown State College apartments.

— The University has not dropped its admissions standards. Certain of the Commonwealth Campuses, in areas where no community colleges are located, are taking a number of "provisional" students. These students do not meet University admissions standards. However, if they are able to develop 18 units of "C" work or better, they can be admitted to the University.

— The costs of snow removal have been particularly heavy at the Commonwealth Campuses, which do not have a significant resident Physical Plant staff.

He has written all of Pennsylvania's legislators asking for help in recovering the money spent on interests costs. Although some of the legislators have been encouraging, the State Budget Officer has not, and, in Dr. Oswald's experience, such expenditures have never been reimbursed.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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Penn State Intercom

News in Brief

1,807 to graduate at end of winter term

More than 1,660 graduates will receive degrees at winter term commencement at University Park on Saturday, March 4.

Stanley G. Schaffer, of Pittsburgh, a trustee of the University, will join President Oswald in conferring the degrees at the exercises scheduled for 10:30 a.m. in Recreation Bldg. Dr. Edward D. Eddy, provost, will address the graduates.

There are 1,248 seniors scheduled to receive baccalaureate degrees, and 135 students who completed two-year programs at the Commonwealth Campuses will be graduated with associate degrees. The 283 graduate students listed for advanced degrees include 218 for the master's degree, 58 for the Ph.D., and seven for the D.Ed.

Nine seniors who have completed the Reserve Officers Training Corps programs are scheduled to receive commissions in the Army, Navy, or Air Force.

In addition to the 1,666 listed for degrees at University Park, Capitol Campus has 136, and Behrend College, five.

Bookstore adds magazines

The Penn State Bookstore in McAllister Bldg. is now carrying a number of special interest magazines, which are sometimes difficult to obtain locally. Among them are Art Forum, Architectural Digest, Horizon, Film Comment, Chess Life, History Today, Wildlife, and a number of others. Suggestions for additional titles can be sent to Harry Whitesell, 863-0205, in the Bookstore.

Book donations asked

Book donations are being requested by the State College Branch of the American Association of University Women for its 17th annual used book sale, which will be held April 24-28 at the Wesley Foundation. Paperbacks and hard-covers of all kinds are welcome — reference books, crafts, gardening, cookbooks, mysteries or classics — as well as sheet music, 33-1/3 recordings, and the National Geographic Society's maps. There is always a great demand for good children's books and collector's items. Books may be left in special boxes in the rear foyer of Schlow Library or inside Ziff's. Information about pick-up service for larger donations is available from Judy Todd, 237-1347.

University marks Black History Month

An exhibit, "20 Contemporary Afro-American Print Makers," has been hung in the HUB Gallery through Feb. 26 as part of Black History Month at the University.

The prints, which were previously exhibited at the Metropolitan Museum of Art in New York City, include work by Robert Blackburn, Eldzier Cortor and Norman Lewis, as well as by Richard Mayhew, an associate professor of art at Penn State.

Among other exhibits marking Black History Month are a show of primitive

Financial aid, PS-23 discussed at Senate

Faculty members should be aware of their opportunities to secure funds for student financial aid, the University Faculty Senate was told at its Feb. 7 meeting.

Dr. Arthur E. Goldschmidt Jr., associate professor of history, presented a report by the Committee on Student Affairs, Awards, and Scholarships on the types, sources, and administration of student aid.

In that report, the committee concluded that since all segments of the University share an interest in maintaining the academic quality of the student body, all should pull together to secure student financial aid.

"Few faculty members realize that their contacts with corporations, foundations, and government agencies might enable the University to obtain additional funding for scholarships, grants, loans, and employment opportunities," the committee reported.

Dr. Goldschmidt expressed concern about the limited amount of institutional aid now available and said that in this period of financial stringency, he hoped budget cuts could be minimized for the Office of Student Aid (OSA) and its Commonwealth Campus counterparts.

"If it should become possible to increase allocations to the OSA," the committee reported, "special attention might be given to strengthening the Student Employment Office as a coordinator and disseminator of information to students about job opportunities on and off campus, both at University Park and at the Commonwealth Campuses."

In other action, the Senate discussed proposed changes to PS-23, the promotion and tenure policy. Those changes, while not fundamental in nature, would alter University guidelines for such things as the time interval between tenure reviews and the relationships between review committees at various levels.

Dr. Philip A. Klein, professor of economics, and Dr. L. Peter Gold, associate professor of chemistry, presented a list of five questions and tentative responses to them. (The questions and responses were published in the Feb. 2 issue of INTERCOM). Dr. Klein was representing the Faculty Affairs Committee and Dr. Gold, its Subcommittee on Rank and Tenure.

Dr. Klein noted that the committee and subcommittee had solicited faculty input on possible promotion and tenure changes earlier this year, primarily through an appeal in the Nov. 17 issue of INTERCOM. The response, he said, was smaller than anticipated.

One question that prompted lengthy discussion was whether written notification should be given to a faculty member in the case of a negative six-year tenure decision.

President Oswald said he thought evaluations at the end of the first, third, and fifth years should include guidance to the faculty member so that he or she could improve his or her performance if necessary. The six-year review, however, was different, he said.

"I have some very strong reservations,

mostly, but not entirely, legal in nature, about this proposal," he said.

In the past, written notification of tenure denial has not been given at Penn State, partly because of the possibility that such written documents might become fuel for legal disputes.

Dr. Gold was asked if he had consulted with other universities on the possible legal ramifications. He said he had contacted the national office of the American Association of University Professors and was told that an estimated two-thirds to three-fourths of major American universities do give written notification when it is requested. AAUP spokesmen told Dr. Gold there was no noticeable increase in litigation at those schools.

AAUP guidelines on the subject specify that candidates be told why they were refused tenure and be given a written explanation if they request it.

Dr. Richard G. Cunningham, vice president for research and graduate studies, suggested that oral but not written communication be given. He said written notifications prepared by a committee would tend to be done in such a vague style that they would be of little help to the recipient.

In the only legislative action of the meeting, the Senate approved a guideline for the dismissal of tenure-eligible faculty when adequate cause exists, adequate cause being lack of competence, excessive absenteeism, moral turpitude, or grave misconduct.

(Continued on page 4)

Haitian sculpture, also at the HUB, by Murat Briere and a display in Pattee Library and the Pollock Undergraduate Library of books, plays, poems, and letters by outstanding black novelists such as Richard Wright, Ralph Ellison, James Baldwin, and John A. Williams; playwrights LeRoi Jones and Lorraine Hansberry; and poets Julian Bond, Nikki Giovanni and Gwendolyn Brooks.

Next INTERCOM March 9

INTERCOM will not be published during the term break. The next issue will appear on Thursday, March 9, and will carry the Spring Term Calendar. Calendar information should be sent by Friday, Feb. 17, to the Calendar Editor, Room 312 Old Main, 865-2501.

Deadline for Pattee study spaces is March 6

Members of the faculty who wish to obtain faculty study space assignments in Pattee Library for the spring term should note that the assignments will be made on a first-come, first-served basis Monday, March 6, beginning at 7:30 a.m. in Room 106 Central Pattee. There are only 39 such spaces. Further questions should be directed to Cordelia Swinton, 865-5429.

New gerontology course

A newly approved one-credit course, Human Development 198, Introduction to Gerontology/Practical Aspects of Aging,

(Continued on page 4)



Arnold Newman's photography of Max Ernst is part of an exhibit, "Photography The Selected Image," now at Zoller Gallery. Work by seven leading photographers is being shown.

Penn Staters

Dr. Joseph Jordan, professor of chemistry, will receive the 1978 Benedetti-Pichler Award of the American Microchemical Society.

According to the Society, "Selection of the award recipient is based on service to microchemistry in its broadest meaning, which includes research, application, administration, teaching or other means of promoting the advancement of microchemistry."

Dr. Jordan will receive the award, a plaque, at the Society's national meeting next fall. He will deliver an address, "Enthalpic Analysis: The Case History of a General Principle in Search of Specificity," at a symposium honoring him.

An analytical chemist, Dr. Jordan is internationally known for pioneering enthalpic analysis and bioelectrochemistry, two important new fields. Active as a scientific ambassador, he has established and fostered exchange programs in electrochemistry between the University of Strasbourg in France and Penn State's Chemistry Department. He has also been active on the international scene as chairman of the Commission on Electrochemistry of the International Union of Pure and Applied Chemistry (IUPAC).

Dr. Robert K. Murray, professor of American history, has been named a Distinguished Alumnus for 1978 by The Ohio State University. During his visit to accept the award in May, Dr. Murray will also be a guest of the History Department, presenting two seminars on his current research and past contributions to the interpretation of modern American history. He will also deliver a public lecture, "The Historian's Dilemma: Ranking American Presidents." A member of the University faculty since 1949, Dr. Murray received B.A., M.A. and Ph.D. degrees from Ohio State, as well as a B.S. in education. He is the author of four books: *The 103rd Ballot: Democrats and the Disaster in Madison Square Garden, The Red Scare: A Study in National Hysteria 1910-1920, The Harding Era: Warren G. Harding and His Administration, and The Politics of Normalcy.*

Paul West, professor of English and Fellow of the Institute for the Arts and Humanistic Studies, gave readings recently, at Cornell University and the University of Cincinnati, from his new novel-in-progress, *Stauffenberg*, in which Klaus von Stauffenberg recounts his attempts to assassinate Hitler. A long excerpt from the book will appear shortly in *The New Directions International Literary Anthology*.

Dr. Michael Danahy, assistant professor of French, presented an invited lecture at Guilford College Feb. 2. His topic was the urbanization of Paris as reflected in Balzac's novel, *Old Goriot*. While at Guilford, Prof. Danahy also served as a consultant on curriculum planning and development.

Dr. Bruce M. Siegenthaler, director of the Speech and Hearing Clinic, has been appointed to the Implementation Review Committee of the Developmental Disabilities Planning Council. The group is responsible for developing a model to evaluate existing programs for the developmentally disabled within the State under the auspices of the Governor.

Two professors from the Department of Chemistry were invited speakers at the Gordon Research Conference on Metals in Biology in Santa Barbara, Cal., Jan. 23-27. **Dr. Gordon A. Hamilton** discussed "Oxygen in Biochemistry." **Dr. William DeW. Horrocks Jr.** spoke about "Lanthanide Ion Probes."

Steven L. Deutsch has been promoted to assistant professor of speech pathology in the College of Education, effective March 1. He received his Ph.D. degree from the University of Iowa.

The Institute for the Arts and Humanistic Studies has announced the following Faculty Research Fellowships for summer/fall 1978: **Dr. Hugh Chapman**, professor of Romance languages, preparation of a computer-aided concordance of La Rochefoucauld's *Maximes*; **Dr. Richard Frautschi**, professor and head of the Department of French, preparatory research for a supplement to *A Bibliography of Enlightenment Prose Fiction*; **Kenneth Holamon**, assistant professor of theatre arts, to study and record production designs used in European children's theatre; and **Gerald Lang**, assistant professor of art, for experimental photographic platinum printing.

Also, **Dr. Christiane Makward**, assistant professor of French, research on francophone Swiss women writers; **Dr. Helen Manfull**, associate professor of theatre arts, research on the use of serious themes in European children's theatre; **Dr. Jeanne Chenault Porter**, associate professor of art history, preparation of a book on Neapolitan painting of the 17th century; **Stephen Porter**, assistant professor of art, to develop a series of large sculptures for outdoor/indoor installation; and **Dr. James Smith**, assistant professor of English at the Ogontz Campus, to complete research and begin a manuscript about media personality Jean Shepherd.

Also, **Dr. John Smith**, associate professor of English, to relate computational techniques to structuralist and semiotic theory; **Steven Smith**, assistant professor of music, auditions, interviews and discussions with Antoine Tisne, noted French composer, in preparation for American premiere performance of Tisne's Third Piano Concerto; **Dr. Emily Toth**, assistant professor of English, research for a book, "Peyton Place": *The Legacy of Grace Metalious*; **Dr. Donald Verene**, associate professor of philosophy, research for a book, *Vico's Philosophy of Imagination*; and **Dr. Donald Wharton**, assistant professor of English at the Altoona Campus, research for a book, *Literature, Art, and Humanism in the Works of American Naturalists, 1610-1850*.

Dr. Gideon Golany, professor of urban and regional planning, recently presented lectures at two southwestern universities. He spoke at the University of New Mexico on "Energy Free Cooling Systems for Desert Houses." At the University of Arizona, his topic was "Policy Trends in and Proposed Strategies for Arid Zone Development."

Dr. Thomas J. Jech, professor of mathematics, presented invited colloquia last month at the University of Washington, Seattle, and Simon Fraser University, Burnaby, British Columbia.

Don W. Grieve is serving as a visiting scholar in the Biomechanics Laboratory January through March. He is a reader in biomechanics at the University of London, Royal Free Hospital of Medicine.

Dr. Edwin L. Herr, head of the Division of Counseling and Educational Psychology, is co-author with Dr. Rupert Evans, former dean of the College of Education at the University of Illinois, of *Foundations of Vocational Education*, published by Charles E. Merrill.

Robert E. Andreyka, head, Division of Occupational and Vocational Studies, and director of Vocational Teacher Education, has been appointed to the Pennsylvania Department of Education's Office of Higher Education Advisory Committee for Project 81. Project 81 is a program to better equip students with the competencies they need to function successfully as adults. The core of the program will be 12 model school districts, which will release coordinators for a year to work with the PDE in helping their schools convert to competency programs.



Richard E. Zindler

Two members of the staff of the Applied Research Laboratory are marking their 25th year at the University. They are **Dr. Richard E. Zindler**, professor of electrical engineering research, and **Clinton H. Fitzgerald**, associate professor of engineering research.

Dr. Zindler, a native of Benton Harbor, Mich., received B.S., M.S. and Ph.D. degrees in mathematics from Michigan State University. He has taught in the Department of Mathematics and currently teaches courses and supervises graduate students in the Department of Industrial and Management Systems Engineering.



Clinton H. Fitzgerald

His research has been concerned with weapons' effectiveness, trajectories and transducer design.

Prof. Fitzgerald has B.S. degrees in both mechanical engineering and electrical engineering from Penn State. He has taught engineering graphics, and his research has centered around the design of mechanical systems and testing of systems and subsystems for underwater application. A U.S. Navy lieutenant before coming to Penn State, he also worked as a senior designer for Glenn L. Martin Co. in Baltimore and the Chicago Pneumatic Tool Co. in Franklin, Pa.

Advisory search committees named

President Oswald has appointed three advisory search committees to assist him in identifying candidates for the position of Director at the DuBois, Ogontz and Schuylkill Campuses.

Harry J. Charlesen, associate professor of accounting at DuBois, will chair that Campus's committee. DuBois

representatives include Esther Y. Nelson, instructor in mathematics; Sherwood S. Stutz, assistant professor of wildlife technology; and Ronald Cuneo, president, Student Government Association. University Park members are

Dr. James M. Beattie, dean of the College of Agriculture; Dr. Stanley P. Mayers Jr., professor of health care planning; and Dr. Barnes W. McCormick Jr., professor and head of aerospace engineering. Dr. Vernon L. Shockey, director of the Mont Alto Campus, is also a committee member.

Chairing the Ogontz search committee is Dr. Robert A. Bernoff, professor of science and general chemistry at Ogontz. Other Ogontz representatives are Annette L. Caruso, assistant professor of health, physical education and recreation; Dr. Jeanne L. Smith, professor of psychology; and Frank J. Sein, president, Student

Government Association. University Park members are Dr. Kent Forster, professor and head of history; Dr. Joe A. Miller, associate professor of community development; and Dr. Richard L. Mortill, executive assistant to the Provost. Irvin H. Kochel, director of Behrend College, will also serve.

James W. Beach, associate professor of music at Schuylkill, is chairman of his Campus's committee. Other Schuylkill representatives are Dr. Michael J. Cardamone, associate professor of physics; Stephen L. Littell, instructor in mathematics; and Arthur D. Kaplan, president, Student Government Association. From University Park, the members are Gifford H. Albright, professor and head of architectural engineering; Frederick M. Cietti, special assistant to the President for governmental affairs; Dr. Anthony J. Curley, professor of finance; and Dr. Arthur O. Lewis Jr., associate dean, College of the Liberal Arts.

Applications or letters of nomination should be sent by Feb. 21 to Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, Room 111 Old Main, University Park, PA 16802.

Shapp recommendation 'tragically short-sighted'

Gov. Milton J. Shapp, in his Feb. 7 budget message, recommended an appropriation of \$106,759,000 for Penn State—the same amount that the University has received for the past two fiscal years.

Commenting on the recommendation, President John W. Oswald said:

"The Governor's budget recommendation of no increase in funding for Penn State next year is tragically short-sighted. What it does, in effect, is to continue to place the burden of inflation almost entirely on the student and family. As the Commonwealth prices the State university beyond the reach of hundreds of talented youths, it penalizes itself. Pennsylvania's economy needs educated people in all walks of life.

"During the current year, State agencies and State-owned colleges did receive increases in their budgets. Penn State received no such increase. The Legislature had approved an increase of \$2 million in Penn State's appropriation, but the Governor eliminated it entirely. In addition, Penn State will have to pay an estimated \$1 million in interest charges on money borrowed as a result of the delay in the passage of this year's appropriation bill.

"To meet mandated increases in costs for next year, Penn State has only three alternatives: reallocation of internal funds from academic and administrative budgets, further tuition increases, or increased State support.

"Internal cutbacks and reallocation of funds from academic and administrative budgets totalling \$15 million have been made over the past five years to cover unavoidable costs, such as general inflation and energy charges. During the past year alone, shifts of \$5 million in funds were made.

"For the first time in Penn State's history tuition was increased two times in one academic year, and is now higher than every other public land-grant university in the country. As a result, an increasing number of Pennsylvania's young people cannot afford to attend their State university.

"We are hopeful that the General Assembly will approve an appropriation above the level initially recommended by the Governor. During the coming weeks we will do everything possible to help members of the Legislature to understand our needs, and we will ask for their support in increasing Penn State's appropriation to an adequate level."

University Park Calendar

Feb. 16- March 9 Special Events

Thursday, Feb. 16
5 O'Clock Playwright's Theatre, Zimber.
Straight Joints, 5:30 p.m., Pavilion Theatre.
Dames meeting, 7:30 p.m., Room 101 Kern.
University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.
Dr. Leroy Walker, head coach U.S. Track and Field Team, Montreal Olympics, on "The Olympic Games and the Olympic Movement," 7:30 p.m., Room 123 Chambers.

Friday, Feb. 17
5 O'Clock Playwright's Theatre, Zimber.
Straight Joints, 5:30 p.m., Pavilion Theatre.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.
Shaver's Creek Nature Center, Fireside Reading, 8 p.m., Stone Valley.
University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Artists Series, Paul Taylor Dance Company, 8:30 p.m., Eisenhower Auditorium.
Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 18
Last date for submitting petition to Records Office to graduate in absentia in March.
Sports: women's fencing, vs. Brockport and Indiana (Pa.), 9 a.m.; White men's fencing, vs. Pace, 1 p.m.; and men's swimming, vs. West Virginia, 4 p.m., both at Natatorium; wrestling, vs. Pittsburgh (EWI meet), 7 p.m.; and vs. Syracuse, 9 p.m., Rec. Bldg.
Ice-Action, Recycling, 10 a.m.-3 p.m., Parking Lot 83 (behind flower gardens) and Boalsburg Fire Hall.

france-cinema, Jacques Demy, *The Umbrellas of Cherbourg*, 7 and 9 p.m., Room 112 Kern.
Student Film Organization, Sci Fi Film Series, *Death Races 2000*, 7:30 and 9:30 p.m., Room 102 Forum.
University Theatre, *Thieves' Carnival*, 8 p.m., The Playhouse.

Artists Series, Paul Taylor Dance Company, 8:30 p.m., Eisenhower Auditorium.
Sunday, Feb. 19
University Chapel service, The Rev. Michael Scrogin, University Baptist Church, State College, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Animal Tracks and Traces, 2 p.m., Stone Valley.
Quarterback Club banquet (rescheduled because of weather), 6 p.m., HUB ballroom.
Department of Theatre and Film, *Mean Streets*, 7 and 9 p.m., HUB assembly hall.
france-cinema, *The Umbrellas of Cherbourg*, 7 and 9 p.m., Room 112 Kern.
Sports: hockey, vs. Lehigh, 7:30 p.m., Ice Pavilion.

Monday, Feb. 20
Cold Side Club meeting, 7:30 p.m., Room 112 Kern.
Steven Smith, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 21
Sports: women's swimming, vs. East Stroudsburg and Clarion, 4 p.m.; Natatorium; men's basketball, vs. Massachusetts (rescheduled due to weather), 7:30 p.m., Rec. Bldg.
Central Pennsylvania Society of the Archaeological Institute of America illustrated lecture, Heinz Henrich, physics and history of photography, PSU, on "Science in Art History," 8 p.m., Room 101 Kern.

Wednesday, Feb. 22
Last day for signing winter term Emergency Loans, Room 108 Shields.
Commonsplace Theatre, *The Idiot*, 7:30 and 9:30 p.m., Room 112 Kern.
Winter term classes end, 9:55 p.m.

Thursday, Feb. 23
Final examinations.

Friday, Feb. 24
Final examinations.

Saturday, Feb. 25
Final examinations.
Sports: men's volleyball, vs. Rochester, 1 p.m., Rec. Bldg.



"The Prevalence of Ritual: Baptism" by Romare Bearden from HUB Gallery exhibit.

Monday, Feb. 27
Final examinations.

Thursday, March 2
Fixed date for meetings involving Commonwealth Campus faculty.
Sports: women's swimming, EIAIW Championships, 8 a.m.-9 p.m., Natatorium.
Commencement, 10:30 a.m., Rec. Bldg.

Sunday, March 5
New student arrival date.

Monday, March 6
Orientation and Advising.
Videotape, "International Development: Can Rich North and Poor South Cooperate?" noon, Kern Commons.
International Students orientation, 3 p.m., Room 101 Kern.

Tuesday, March 7
Spring Term Registration, 8 a.m.-5 p.m., IM Bldg.
Continuing Education Registration, 1 p.m., Room 101 Kern.

Wednesday, March 8
Spring Term Registration, 8 a.m.-5 p.m., IM Bldg.
Continuing Education Registration, 9 a.m., Room 101 Kern.

Thursday, March 9
Spring Term classes begin, 8 a.m.

Exhibits

Anthropology Museum: Central American Pre-Columbian and Ethiopian artifacts.

Chambers Gallery: mixed media by art education graduate students, through Feb. 21.

Frost Entomological Museum: Architecture of Insects and Related Arthropods.

HUB Gallery: metal sculptures by Haitian artist Murat Briere, through Feb. 28.

Kern Commons Gallery: Arab Club, "Highlights of Arab Culture," multi-media exhibit, through Feb. 25.

Museum of Art: "The First Five Years," anniversary show of selections from the permanent collection.

Museum of Art HUB Gallery: "Twenty Contemporary Afro-American Print Makers," through Feb. 26.

Fattee: Rare Books Room, Black History exhibit.

Room 401 Sackett: Richard Alden, colored pencil drawings.

White Bldg: Penn State's Greatest Black Athletes, photographs.

Zoller Gallery: Photography: The Selected Image," through Feb. 22.

WPSX Highlights

Wall Street Week analyzes the prospects for the international investor, Friday, Feb. 17, at 8:30 p.m., with Landon Thomas, executive vice president and director of Fiduciary Trust Company of New York. Mr. Thomas discusses the foreign securities market and explains how investors can increase their earnings through global diversification.

In a rare television appearance, jazz and blues singer Phoebe Snow joins musician/entertainer David Bromberg on Soundstage, Saturday, Feb. 18, at 8 p.m.
Sunday, Feb. 19, at 6:30 p.m., Dr. James T. Willerson of the University of Texas Health Science Center at Dallas demonstrates cardiopulmonary resuscitation (CPR) on Daniel Foster, M.D. The program, which investigates major causes and treatment of coronary artery disease, also demonstrates other procedures such as the arteriogram and the electrocardiogram.

"We uncovered some extraordinary and very disturbing stories," says BBC Outlook reporter Tom Mangold about his three-nation investigation in the Far East into the increasing traffic in babies from east to west. "Our film report shows a baby being sold for cash with no questions asked in the slums of Bangkok."

"Traffic in Babies" can be seen Sunday, Feb. 19, at 11 p.m.

Since the Laurel Run Dam disaster in Cambria County last July, there has been increased concern over the safety of Pennsylvania's existing dams and the State's safety inspection program. Dam safety is the subject of a **Talkabout** discussion Tuesday, Feb. 21, at 7:30 p.m. when John Grant talks with Senator Louis Coppersmith and William B. Middendorf, deputy secretary for Environmental Protection in Pennsylvania's Department of Environmental Resources.

Herschel Bernardi and Georgia Brown star in *Actor*, Tuesday, Feb. 21, at 8 p.m. on **Hollywood Television Theatre**. The musical play, written by Jerome Lawrence and Robert E. Lee, is based on the early life of Paul Muni and his family of "tangle-tangle" players, performing in eastern Europe and later in America's Yiddish theatres.

"The Behavioral Revolution," a five-part Penn State Television series on behavior modification, returns to Channel 3 Wednesday, Feb. 22, at 7:30 p.m. as part of **The Pennsylvania State University of the Air**. Featured on the first program is B. F. Skinner, whose discovery of operant conditioning techniques established a basis for current behavioral theory.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Seminars

Friday, Feb. 17
Remote Sensing, Larry Garney on "The LANDSAT Expression of the 38th Parallel Lineament," 11 a.m., Room 173 Willard, Higher Education, Ernest J. Bartell, C.S.C., director, Fund for the Improvement of Post-secondary Education, Washington, D.C., on "The Fund for the Improvement of Post-secondary Education: Its Present and Future," 1 p.m., Room 101 Kern.
Computer Science, Robert Daley, University of Pittsburgh, on "A New Solution to Post's Problem," 2:30 p.m., Room 316 Whitmore.
Physical Chemistry, R. Simonaitis, chemistry, on "Pteroylnic Acid: A New Stratospheric Species," 4 p.m., Room 333 Whitmore.

Monday, Feb. 20
Biochemistry and Biophysics, Andrea Mastro, life sciences, on "Tumor Promoters and Lymphocyte Stimulation," 3:55 p.m., Room 101 Althouse.

Tuesday, Feb. 21
Biology, Emerson Hibbard, biology, on "I. Restoring the Vision of Kinetically Eyeless Axolotls. 2. Intergenic Eye Grafts in Birds," 11:10 a.m., Room 111 Life Sciences Bldg.
Food Science, Rodger Jones on "Preservation of Milk Testing Samples by Chemical Means," 11:10 a.m., Room 201 Berland.

Water Pollution Control, Charles Kleeman, Water Supply Branch, EPA, on "The Safe Drinking Water Act — The First Three Years," 2:20 p.m., Room 128 Sackett.
Genetics, James Wright Jr., biology, on "Breeding and Genetics of Trout," 3:55 p.m., Room S2 Frear.

Plant Pathology, Fred C. Morgan on "Saporins as Potential Protectants — Tomatoes," 3:55 p.m., Room 233 Buckout.
Nuclear Engineering, Lee Bettenhausen, regional radiation representative, EPA, on "Radiation and the Environment and Radiation Levels from Coal Plants," 4 p.m., Room 225 EE West.

Thursday, March 2
Neutron Activation Analysis Workshop, 8:30 a.m.-5 p.m., Breazeale Nuclear Reactor.

Friday, March 3
Neutron Activation Analysis Workshop, 8:30 a.m.-5 p.m., Breazeale Nuclear Reactor.

Thursday, March 9
Chemistry, A. Schnesheim, Exxon Research and Engineering Co., on "Energy — The Heart of Chemical Research," 12:45 p.m., Room 333 Whitmore.

Minority Voices due this month

Articles about Eldridge Cleaver and Gwendolyn Brooks are featured in the second issue of *Minority Voices*, a new national journal which explores literature and the arts as they relate to Afro-Americans, Chicanos, Native Americans and Puerto Ricans.

Published semiannually at The Paul Robeson Cultural Center, *Minority Voices* will include eight scholarly articles and four book reviews when it appears at the end of February.

The articles include: "Gwendolyn Brooks: Tradition in Black and White," "Pocho and the American Dream," "Revolution and Myth: Kelley's 'A Different Drummer' and Gaines' 'The Autobiography of Miss Jane Pittman,'" "Black Dance: Its African Origins and Continuity," "Eldridge Cleaver: From Savior to Saved," "Blacks Alone: Theatre in Search of an Identity," "Working Class and Lower Class Origins of Black Culture: Class Formation and the Division of Black Cultural Labor," and "Hacia La Nada: O La Religion En Pocho."

Saute Roundup

Steven Smith to give piano recital Feb. 20

Pianist Steven Smith, assistant professor of music, will present a recital at 8:30 p.m. Monday, Feb. 20, in the Music Bldg. recital hall.

The program will include Haydn's *Fantasia in C*; Chopin's *Polonoise in F*; Sharp Minor, Opus 44; Alberto Ginastera's *Sonata for Piano*; and Schubert's *Sonata in B Flat*, Opus Posthumous.

The Schubert piece was the composer's last work for solo piano, composed shortly before his death in 1828. This is the 150th anniversary of Schubert's death, and musicians throughout the world are commemorating the event.

The Ginastera piece, written in 1951, has become a classic of contemporary piano music.

Mr. Smith joined the University faculty in 1972. He recently completed studies leading to a doctor of musical arts degree at the Eastman School of Music.

Musica da Camera tour benefit concert

Musica da Camera, Penn State's chamber orchestra, will present a Tour Benefit Concert at 7:30 p.m. Sunday, Feb. 19, in the Museum of Art.

Included on the program will be *Concerto Grosso*, Opus 6, No. 1 by Corelli; *Sonata Representativa* by Heinrich Biber; *Duo for Violin and Viola in G Major* by Mozart; *Capriccio Sinfonico* by Peter Warlock; and *Divertimento for Strings* by Bela Bartok.

Dr. D. Douglas Miller, associate professor of music and director of Musica da Camera, explains that the concert will benefit the group's tour fund, which supports biennial concert tours abroad. A tour is planned for the summer of 1979.

Tickets may be obtained by writing Dr. Miller, Room 218 Music Bldg.

"Science in Art History" to be discussed Feb. 21

Dr. Heinz Henisch, professor of physics and professor of the history of photography, will present an illustrated lecture, "Science in Art History," at 8 p.m. Tuesday, Feb. 21, in Room 101 Kern Building.

His talk is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Student composers' concert

Original works by Penn State music composition students will be featured in a Composers' Concert at 8:30 p.m. Friday, Feb. 17, in the Music Bldg. recital hall.

The concert will include three pieces for organ by Lowell Knauper, a flute-violoncello work by Robert Passow, a trio for three violas by Debbie Drattell, *Sonata for Percussion* by Frank Yannetti and *Four Songs* by George Dube.

Musica da Camera will perform a work for chamber orchestra by student composer Tad Mark.

All the students represented in the concert have studied with either or both of Penn State's composition teachers, Bruce Trinkley and Bert Fenner.

Affirmative Action for the handicapped

Editor's note: The following notice, which was provided by the University's Affirmative Action Officer, appeared last fall and is reprinted as a reminder.

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified handicapped individuals.

We need your help in assuring compliance with the affirmative action guidelines established by Section 503 of the Rehabilitation Act of 1973. If you have a physical or mental impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Program.

It will assist us in proper placement and appropriate accommodations if you tell us about (1) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do because of your handicap, so that you may

be considered for any positions of that kind, and (2) possible accommodations which could be made which would enable you to perform the job properly and safely.

Submission of this information is voluntary and refusal to provide it will not subject you to discharge or disciplinary treatment. Information obtained concerning individuals shall be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on the work duties of handicapped individuals and regarding necessary accommodations, (2) first aid and safety personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment, and (3) government officials investigating compliance with the Act shall be informed.

The Affirmative Action Officer is responsible for coordination of compliance with the requirements of Section 503.

To be included in the Affirmative Action Program, call 863-0473 and additional data will be sent to you.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 863-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Feb. 23. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

CLINICAL NURSING SPECIALIST, COLLEGE OF MEDICINE, Hershey Responsible to the Director of Nursing for providing expertise in a clinical specialty to the various patient units. Function as a model to other nursing personnel and students and improve clinical decision making and nursing practice. Master's degree in one of the defined nursing clinical specialties, plus one to two years of directly related experience.

COORDINATOR OPERATING ROOM SUPPORT SERVICE, COLLEGE OF MEDICINE, Hershey Responsible to the Patient Unit Coordinator for the efficient and effective purchasing and handling of all OR instrument, equipment and supplies, as well as the administrative details and supervisory responsibilities related to this activity. Bachelor's degree in business administration or equivalent and one to two years of directly related experience. Experience in central supply is highly desirable.

ADMINISTRATIVE ASSISTANT, COLLEGE OF MEDICINE, Hershey Responsible to the Assistant Hospital Director/Chief of Nursing Services for the business and administrative functions of the Department of Nursing Services, as well as serving as a liaison with other Medical Center departments. A bachelor's degree in business administration, a related field or equivalent, plus one to two years of directly related experience is required.

ADMINISTRATIVE AIDE, STUDENT AFFAIRS, University Park Responsible to the Director of Student Aid for providing administrative assistance with the Basic Educational Opportunity Grant (BEOG) program, to include all aspects of application processing, and program interpretation to students and parents and external agencies. A bachelor's degree or

equivalent, plus more than one year and up to and including two years of directly related experience required.

MECHANICAL AND ELECTRICAL ENGINEER, TRAINING, OFFICE OF PHYSICAL PLANT, University Park Responsible to senior engineering personnel for a wide variety of mechanical and electrical engineering projects. This is an entry level engineering position, working in a well defined program to develop the overall goal of obtaining effective mechanical and electrical experience in all assigned areas in physical plant. Employees will work toward obtaining professional engineering registration in the State of Pennsylvania. Bachelor's degree in mechanical electrical engineering required. Some experience desirable but not essential to being considered for the position.

PROGRAMMER/ANALYST B, COLLEGE OF AGRICULTURE, University Park Confer with project personnel to determine the objectives of the study, anticipated results, degree of confidentiality and use of project data. Develop new computer programs and upgrade, maintain and adapt existing programs. Advise and assist researchers in the efficient execution and debugging of programs. Analyze projects with large data sets to arrive at reliable time estimates. A bachelor's degree with a major in mathematics, statistics or computer science or equivalent, and from one to two years of directly related programming experience are required. Course work in linear algebra, numerical analysis, calculus, statistics, computer languages and system programming are particularly desirable.

ADMINISTRATIVE ASSISTANT, COLLEGE OF MEDICINE, Hershey Responsible to the Chairman of the Department of Surgery for business and administrative functions of the department including budgetary responsibilities, personnel administration, purchasing, departmental operational policies, and liaison with other departments and outside organizations. Bachelor's degree in business administration or a related field or equivalent experience, plus one to two years of directly related administrative experience. Must have accounting experience.

STAFF PHARMACIST, COLLEGE OF MEDICINE, Hershey Responsible to the Assistant Manager of Pharmacy Supervisor to perform pharmaceutical functions of inpatient and outpatient dispensing, intravenous admixture and hyperalimentation preparation, extemporaneous compounding, providing drug information to physicians, students, nurses and patients. Maintain inpatient and outpatient drug profiles, enforce Formulary regulations, and maintain required pharmaceutical records and inventory levels. Bachelor of science in pharmacy, plus one to two years of directly related experience. Pennsylvania registration in pharmacy or eligibility required.

News in brief

(Continued from page 1)

will be offered during spring term.

The interdisciplinary course, which includes lectures by faculty drawn from throughout the University, will be offered Tuesday evenings from 6:45 to 8 p.m.

Designed to introduce students to basic issues in gerontology, the course has been coordinated by Michael Smyer, assistant professor of human development, and was initially conceived by and developed under the auspices of the Gerontology Center through Continuing Education.

Registration will be held in Room 101, Kern Bldg. on Tuesday, March 7, from 1 to 8 p.m. and Wednesday, March 8, from 1 to 5 p.m. for part-time students. Full-time students should register on March 8.

Neutron Activation Analysis workshop

A two-day workshop on the use of Neutron Activation Analysis will be conducted Thursday and Friday, March 2 and 3, at the Breazeale Nuclear Reactor Facility. The workshop is open to faculty, staff and students who have a desire to learn more about this method of analysis.

The workshop will consist of one day of lectures and one day of laboratory experiments to enable participants to become familiar with the instrumentation and facilities available for use at the Breazeale facility.

There is no charge for this workshop, but those who are interested in attending should contact Dale C. Raupach at 865-6352.

Help wanted advertising policy reminder

The Office of Personnel Administration would like to remind faculty and staff of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements to assure that they are in compliance with State and federal legislation and conform to University standards. (See PS-33, Help Wanted Advertising, in the University Policy Manual.)

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

Bookstore asks for identification on IDTs

The Penn State Bookstore at University Park requests that Interdepartmental Transfers (IDTs) for the payment or ordering of merchandise include a phone number and the name of a person to contact regarding the order. Sometimes information on color, size, etc. is omitted from an order. When this occurs, it is helpful to bookstore personnel to have a quick means of checking back to obtain the information.

Senate

(Continued from page 1)

Dr. Thomas Larson, professor of civil engineering, said the Ad Hoc Committee to Review Baccalaureate Degree Requirements is working on a report based on faculty input to its earlier study. He said he expects to present it to the Senate within a month or two and that it will offer some significant revisions to current BDR guidelines.

Judd Mull, a student senator from the College of Science, reported on the reorganization of the student government which is now in progress.

Funding Sources

For further information, call 865-1372

004-1 The Center for the Study of Environmental Policy has several grants from the Rockefeller, Ford, and National Science Foundations addressing issues of social science importance concerning the siting of major energy complexes. Further, it has several ongoing projects with the Governor's Energy Council concerning problems of energy and environmental policy. Faculty and graduate students interested in participating are encouraged to contact Dr. Terry Ferrai, director of the Center, 225 Pond Lab. 865-1442.

004-2 The U.S. Department of Transportation has issued a call for papers for a conference on Women's

Travel Issues: Research Needs and Priorities. Both commissioned and responding papers will be presented. Researchers that evaluate and synthesize existing literature or research are invited as well as those that present new research into transportation needs of various women's groups. An abstract (2-4 pages) is required by Feb. 24, a draft by April 1, and final version by May 12. A June conference is anticipated. (Ref. 004)

004-3 The National Endowment for the Humanities announces a new experimental program called NEH Youth Projects. These provide out-of-classroom opportunities for young people to develop skills in the humanities. Two deadlines for these institutional grants have been established: March 17 and Oct. 15. Planning grants (\$2500) are also made and these have a June 1 deadline (Ref. ACEHNEA, 23/78). NEH Youthgrants were announced last week (30-3).

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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Penn State Intercom

News in Brief

Research proposals asked

Faculty from all University campuses are invited to submit proposals to the Penn State 1978-79 Research Initiation Grants Program, established to support research and other creative work in the sciences, technology, social sciences, and arts and humanities. The RIG program is limited to new faculty on continuing appointments and with a service accumulation of two calendar years or less by September 1978. The 12-month awards will range from \$2,000 to \$5,000 and will be announced following a preliminary screening by the Colleges and final recommendations from a subcommittee of the Administrative Committee on Research (ACOR). Further information may be obtained from ACOR deans or Commonweath Campus directors. The proposal deadline is March 23; awards will be announced by April 10.

Campus search bodies extend nomination period

The advisory search committees for Directors at the DuBois, Ogontz, and Schuylkill Campuses announce the extension of the deadline date for receipt of applications and nominations to March 31. The advisory search committees will identify those candidates who can provide the ablest academic leadership and most competent administration for the three

Campuses. Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the university level. Experience in higher education administration is especially desirable. Letters of nomination or application should be directed to Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, Room 111 Old Main, University Park, PA 16802.

Tax guide available

Now that income tax time is here again, the Penn State Bookstore is selling copies of a book which should be of particular interest to the University community. The book, *1978 Tax Guide for College Teachers and Other College Personnel*, is published by Academic Information Service, Inc.

Creative drama courses for children to be offered

Two creative drama courses for children will be offered during spring term. Classes will be held on Mondays and Wednesdays, beginning April 3, for a period of seven weeks. The first class, for children who are attending morning kindergarten, will run from 2:30-3:15 p.m. The second class, for children in fifth and sixth grades, is from 3:45-4:45 p.m. Parents may enroll their children by calling 865-7586. The course will be taught by Dr. Helen Manfull, coordinator of children's theatre and creative drama.

Energy conservation measures to continue during spring term

Measures to reduce electrical and other energy consumption on the University Park Campus will continue at a modified level during spring term. In announcing the changes, President Oswald expressed his deep appreciation to those University faculty and staff members who for the past two weeks have worked under difficult and uncomfortable conditions in office areas of 55 degrees. "Every member of the University community has been most cooperative in this emergency effort to conserve energy in campus buildings," he said. Given the continuation of careful conservation measures, Dr. Oswald said, further changes in the academic schedule are not anticipated. "I am pleased with the excellent cooperation we have had from all personnel of the University in our efforts to reduce sharply our consumption of electrical energy on the University Park Campus," Dr. Oswald said. "As all citizens are aware, there is a need for continued conservation because of the limited supplies of coal available for generation of electricity, and therefore we must ask for continued cooperation. "Temperatures in most campus buildings will continue to be below normal, although not at the severely low levels of the last two weeks. We must continue to reduce lighting and other

electrical consumption in all buildings. "I am grateful to all personnel for their willingness to work in less than comfortable conditions and know we can count on their continued cooperation," Dr. Oswald concluded. Temperatures in student rooms and dining halls will be set at 68 degrees, with temperatures at the Ritenour Health Center. Temperatures in all other buildings will be set for 62 degrees. Temperatures will be lowered during the night and other periods when the buildings are not occupied. The revised program calls also for some curtailment of activities in Recreation Bldg. and White Bldg., with scheduled events only, such as classes, practice sessions and other events. Informal recreation activities will be limited to the two-hour period before or after scheduled events. Ralph E. Zilly, vice-president for business, reports that the stringent measures taken during the two weeks between terms enabled the University to reach its goal of a 25 percent reduction in purchased electrical power. Under the new program in which temperatures will be at 62 degrees, a reduction of 10 to 15 percent in electrical power consumption is anticipated.

President asks legislators to give higher education equitable treatment

Pennsylvania legislators were urged to "reassess the priorities set forth in the Governor's budget and to provide equitable treatment to The Pennsylvania State University and other colleges and universities." Without reassessment of priorities set forth in the Governor's budget, President John W. Oswald said, "higher education in the Commonwealth will continue to decline in quality and in opportunity." Dr. Oswald addressed the House Appropriations Committee in Harrisburg on March 10. "Three straight years at the same level of support could result in irreparable damage to Penn State and to other institutions which are the principal source of the highly trained men and women so desperately needed to restore the economic health of the Commonwealth." Penn State received no increase in State support this year and the Governor has recommended no increase for the coming year. The overall State budget, however, increased by 7.3 percent this year and, as recommended by the Governor, will increase another 7.2 percent next year. "We ask that serious consideration be given to equitable treatment for Penn State," President Oswald continued. He noted that Penn State faces two critical problems and seeks the help and understanding of the members of the General Assembly. "First," he explained, "there is the immediate and urgent need to repair the damage caused by the traumatic experience of the past year. "Elimination by the Governor of the

\$2,135,000 in the present year's appropriation from the amount passed by the Legislature came as a complete surprise not only to the University but to many if not most members of the Legislature. The removal of this very minimal increase (some 2 percent) caused Penn State severe problems in dealing with absolutely unavoidable cost increases. "In the absence of any increase in State appropriation support, internal budget cutbacks of over \$5 million were made along with an unprecedented second round of tuition increases. The problem was and still is compounded by the huge interest costs — estimated at over \$1 million — which are resulting from the delay in the passage of the 1977-78 appropriation in late December and the delayed payment schedule. "Secondly," Dr. Oswald continued, "Penn State must cope with the severe financial pressures it faces in the year immediately ahead, 1978-79. The problems of inflation and mandated cost increases are as unavoidable for the University as they are for agencies of State government and for every other sector of our society. "Penn State has been losing ground in the fight against inflation. The cumulative impact of inflation on Penn State has been some 51 percent over the last six years. Support from State appropriations would have increased less than 30 percent over this same period if the Governor's recommendations for the next year were followed. To keep the University operating and solvent, it has been



Lunch in the main dining room (above) and Speakeasy Lounge will be available from 11:30 a.m. to 1:30 p.m. during Faculty Club Open House Friday, March 17. Visitors can also partake of free wine and beer beginning at 4 p.m. in the Fireplace Lounge, and dinner will be served from 5:30 p.m.

Faculty Club membership growing

June will be the month of decision for Penn State's Faculty Club. By then, its success or failure under the present format should be established, club President Marjorie East told the membership in a recent letter. Dr. East, professor of home economics education, is optimistic. "I think the most successful development in recent months," she said in an interview, "is the Friday night party. Each week a different host buys and gives away a keg of beer. Members can — and do — invite their friends, and attendance has ranged from 30 to 150 people. I'd say we average at least 60. "We're mixing faculty and administrators from different departments

(Continued on page 3)

(Continued on page 8)

Penn Staters

Dr. Robert Stefanko, professor of mining engineering and associate dean for continuing education in the College of Earth and Mineral Sciences, has been designated as president-elect of the Society of Mining Engineers. He will become president of the 24,500-member international professional organization early in 1979 for a one-year term. Dr. Stefanko has been active in the SME for more than 20 years, having served on its board of directors from 1975 to 1978, as chairman of its coal division in 1974, and as chairman, at various times, of many of its committees.

Dr. Anthony Cutler, professor of art history, was recently elected vice-president of the U.S. National Byzantine Studies Conference. Last month, as part of the Speaker's Choice Lecture Series of the Medieval and Renaissance Studies Program of the University of Pittsburgh, he spoke on "The Psalter as a Vehicle of Byzantine Culture." He also spoke on "The Psalter in Byzantine Book Production" as part of the evening lecture series of the Walters Art Gallery in Baltimore.

Dr. Peirce F. Lewis, professor of geography, recently delivered the keynote address at a four-day symposium on "Planning and Managing the City: Neighborhood Conservation" at Macalester College, St. Paul, Minn. His topic was "The Spirit of Places: Spatial Personalities and the Preservation of Landscape."

Three College of Science faculty members are among the 79 outstanding young scientists from 46 universities in the United States and Canada chosen to receive Sloan Fellowships for basic research this year. They are: **Dr. Gregory L. Geoffroy**, assistant professor of chemistry; **Dr. David A. Sibley**, associate professor of mathematics; and **Dr. Julian D. Maynard**, assistant professor of physics.

According to the Sloan Foundation, the fellowships are designed to permit added freedom and flexibility for the most creative young researchers. The fellowships are among the most prestigious grants of their type. This year, Penn State's College of Science has the highest number of Sloan Fellows in Pennsylvania.

Dr. Geoffroy, who was honored recently with a Dreyfus Teacher-Scholar Grant, is a specialist in the photochemistry of organometallic compounds and transition metal cluster chemistry. He holds a doctorate from the California Institute of Technology and is the author of more than 35 research papers and of a forthcoming book, *Organometallic Photochemistry*. Dr. Sibley also joined the faculty in 1974. A specialist in research on representation theory of finite groups, he is co-author of the monograph, *Finite Linear Groups of Relatively Small Degree*. He, too, holds a Ph.D. from Cal Tech. Dr. Maynard came to Penn State last year. A Princeton Ph.D., he specializes in superfluid helium research and acoustics.

Dr. S. V. Martorana, professor of higher education, is one of 15 members appointed to the national advisory panel for the Brookings Institutions' national study of community college finance. Dr. Martorana, who also is research associate at the University's Center for the Study of Higher Education, served for seven years as vice chancellor for community colleges and provost for vocational and technical education with the State University of New York.

Dr. Thomas Jech, professor of mathematics, presented a colloquium at Princeton University last month.

Three faculty members received awards for outstanding service in the fields of minerals and metals at the annual meeting of the American Institute of Mining, Metallurgical, and Petroleum Engineers in Denver this month. **Dr. Frank F. Aplon**, professor of metallurgy and mineral processing, received the AIME's Robert H. Richards Award; **Dr. William S. Vogely**, professor and head of the Department of Mineral Economics, was presented the AIME's Mineral Economics Award; and **Dr. H. Beecher Charnbury**, assistant dean emeritus for planning and development in the College of Earth and Mineral Sciences, received the Percy M. Nicholls Award of the Society of Mining Engineers, an AIME constituent society.

Dr. Aplon was cited for his "many contributions to the mineral industry by his excellence in education and research, integrating theory and practice, covering metallic ores, industrial minerals, and coal."

Dr. Vogely was cited "for outstanding professional accomplishment in his government, industry, and university teaching careers and for leadership in all aspects of the objectives of the Council of Economics, AIME."

Dr. Charnbury's citation reads in part: "Educator, author, scientist, consultant to government and industry, and former Secretary of the Department of Mines and Mineral Industries of the State of Pennsylvania, he has served in all these capacities with enthusiasm and success. Fortunately for the coal industry, he has remained active since his retirement in 1973. Equal devotion to the advancement of science and for the beauty and integrity of his country uniquely qualify him for this award."

Charles H. Ness, assistant dean of the University Libraries, has been reappointed for a three-year term to the President's Committee on Employment of the Handicapped. The national committee is dedicated to improving and promoting employment of the handicapped. Mr. Ness was formerly director of the U.S. Regional Library for the Blind and Physically Handicapped in Philadelphia.

Dr. Gerard J. Brault, professor of French, and **Dr. Glyn P. Norton**, associate professor of French, have been named editors of a new monograph series in Romance languages sponsored by Purdue University.

Dr. John A. Lucas, professor of physical education, has been named chief of the U.S. mission to the 1978 International Olympic Games in Olympia, Greece. The academy is a two-and-a-half-week program of lectures, practice, and training for young athletes, designed to foster support for the philosophy of amateur athletics on which the Olympics are based.

Dr. Martin W. Sharp Jr., assistant professor of education at Delaware County, has been named a member of the Museum-School Commission of The Smithsonian Institution for 1978. He will work with the Smithsonian on curriculum development associated with its program for public school systems and will advise institutions in Pennsylvania, Delaware and New Jersey regarding national programs of the Smithsonian available to them.

Edmundo Bendezu, professor of literature at Universidad Nacional de San Marcos, is a Visiting Fellow of the Institute for the Arts and Humanistic Studies during the spring term. He will present guest lectures in a number of Latin American history and political science classes and will also teach a class in Spanish American literature.

Margaret S. Bastuscheck, assistant to the dean for Continuing Education, College of Human Development, was the recipient of an award from the Pennsylvania

Association for Adult Education for "exemplary service and leadership to Adult Education as a President and Board Member — 1974-1978." The presentation was made at the annual Mid-Winter Adult Education Conference held at the Hershey Motor Lodge last month.

Dr. Stanley F. Gilman, professor of architectural engineering at the University, received an award for outstanding service and achievement in teaching at a recent meeting of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). The E. K. Campbell Award of Merit and a stipend are given annually by ASHRAE's Life Members Club. Dr. Gilman, whose main teaching and research areas are air conditioning, energy conservation in buildings and solar energy, received the award Jan. 30 in Atlanta.

Albertas Steponavicius, associate professor of linguistics at the University of Vilnius in the USSR, will teach and present informal talks on Soviet linguistics and literature at the University during the spring term. Prof. Steponavicius's visit is being sponsored by the International Research and Exchanges Board. Persons desiring to contact him may call the Department of Slavic Languages.

Dr. Vernon V. Aspaturian, Evan Pugh professor of political science, delivered the annual James A. Gathings Lecture at Bucknell University on March 14. His topic was "Implications of USSR-US SALT Talks."

Bookshelf

An unusual analysis of values and objectives in American education is presented in a new book, *The Same Chance to Fail*, written by **Dr. Herbert S. Eisenstein**, associate professor of education at Capitol Campus.

Published by University Press of America, the book is a report on a mini-school project conducted by Dr. Eisenstein to see if a group of teachers could "work with kids during 'losers' by the system and get them to reach a level where they were eager to learn." Dr. Eisenstein also wanted to see whether his faculty of five could shed its dependence on structure and supervision.

An "open space" classroom where the children could move about easily was used, but the students' freedom of movement was restricted by their teachers' inability to break with academic formulas, Dr. Eisenstein reports.

A member of the faculty since 1968, Dr. Eisenstein holds a doctorate in higher education from SUNY-Buffalo.

A new book of poetry by **Dr. Rio Preisner**, professor of German, has been published by Konfrontace, a Zurich publishing house that handles the works of Czechoslovakian exiles. The book is entitled *ODSTUP*, which means distance, and is written in Czech. It is the third book of poetry Dr. Preisner has published, and the second written since he left his homeland in 1968.

The poems deal with distance on several levels — distance from the world in the biblical sense, alienation in the existential sense, and distance from one's homeland. The illustrations are by Jan Koblasa, and the poems were written in State College during 1974 and 1975.

Dr. Preisner, who spent two and a half years in a work camp because of his political affiliations, left Czechoslovakia during the Soviet crackdown in 1968. He went first to Austria, and a year later came to Penn State.

Dr. Barry Voight, associate professor of geology, is the editor of the first volume of a two-volume work, *Rockslides and*

Avalanches, just published by Elsevier Scientific Publishing Company, New York, N.Y. The first volume is entitled *Natural Phenomena*.

In addition to editing the first volume, Dr. Voight also authored the chapter, "Lower Gros Ventre Slide, Wyoming, U.S.A.," and co-authored two others, "Rockslides and Avalanches: An Introduction" and "Transported Rocks of the Taconite Zone, Eastern North America."

Dr. John W. Slocum Jr., professor of organizational behavior, and **Dr. Don Hellriegel**, of Texas A & M, have published a revised edition of their book, *Management: Contingency Approaches*. The book was published by Addison-Wesley and is intended for use in introductory management courses.

Obituaries

Adrian Osborn Morse, who retired in 1956 as provost emeritus, died Jan. 28.

Mr. Morse was appointed executive secretary of the University in 1929 by then-president Ralph Dorn Hetzel. In 1935, he was named assistant to the President in charge of resident instruction, and in 1951, he became provost of the University. He served also from 1951 to 1954 as assistant secretary of the Board of Trustees.

Born in New Haven, Conn., Mr. Morse received a B.A. from Yale University in 1918 and ten years later an M.A. from the University of New Hampshire, where he was executive secretary and dean of men. Temple University in 1956 awarded Mr. Morse the honorary doctor of laws degree.

Following his retirement from Penn State, Mr. Morse was named chief cultural affairs officer of the U.S. Information Agency in India. Returning to New Hampshire in 1958, he spent seven years teaching at New England College in Henniker, N.H., and nine more years as an administrator at Notre Dame College in Manchester, N.H.

Don A. Trumbo, professor of psychology, died March 5 at the age of 49. A member of the faculty since 1967, he was a native of Grand Leach, Mich. He earned his B.A. at Western Michigan University, and his M.A. and Ph.D. from Michigan State. His research interests lay in the field of applied experimental psychology, particularly in the area of skills performance. He was also interested in industrial-organizational psychology and was co-author of the book, *The Psychology of Work Behavior*. He was named an H. Thomas Hallows fellow in 1975 and was a NATO senior scientist faculty fellow in England and the Netherlands in 1971 and a NATO visiting lecturer in the Netherlands in 1972-73. Prior to coming to Penn State, he was a professor of psychology at Kansas State University.

Jesse L. McManes, associate director of student aid at the University, died March 1. A native of Mather, Pa., he was 47 years old. Mr. McManes began working at Penn State as assistant to the director of student aid in 1966.

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◀SPEAKEASY



A buffet lunch is available daily in the Club's Speakeasy Lounge (above left), and the hallway leading to it (top left) offers a quiet spot to talk. Upstairs (top right) there are books and newspapers in the lounge. Members use the semicircular Fireplace Lounge on the first floor (above right) for both private parties and University functions.

Faculty Club

(Continued from page 1)

and different colleges, and that's what this club is all about. A faculty club should be a place where people in the University community get to know each other across ranks and colleges. It should take people out of their disciplines and enlarge their intellectual breadth by bringing them into contact with exciting discussions in fields other than their own.

"And I think these parties are helping to accomplish this."

Dr. East has been especially heartened by a recent growth in the club's membership rolls. The decision to institute a sliding scale for dues has brought in more young faculty.

"We need 700 members to be viable, and we already have 608," she noted.

"With 700, we can generate enough dues income to cover overhead items such as heat, light and clerical expenses.

"At the same time, we must also generate an average monthly income of \$12,000 from food service. That means our spring and fall volume must be higher because during winter and summer terms we do less business.

"It's only going to work out if the present members of the club use it. We have a number of members who joined because they believed in the concept of a faculty club but who don't take advantage of its facilities."

One persistent problem for the club has been the lack of a liquor license — a problem which its officers and board have now decided to turn into an advantage.

"The Faculty Club is a more economical place to entertain," Dr. East explained. "If you're holding a party — large or small — in a rented facility, supplying your own liquor will save you money. There's absolutely no markup."

Dr. East recalled a recent phone call from a professor whose daughter was

being married and who wished to know what it would cost to hold a wedding reception at the Faculty Club. When he found out, he joined.

Indeed, the catering service has proved to be the club's greatest financial success.

There are at least two or three parties weekly in the building. In addition, a group of University retirees has regular Monday luncheon meetings at the club, and the Comp Lit luncheon and talk is held there Tuesdays.

"The location is convenient, there's free parking, and the club is attractive," Dr. East pointed out.

To assure that the club lives within its means, the officers and board are taking a hand in its running. (The present manager is only in charge of food and beverage service.) Club vice-president Robert L. Clewett is a professor emeritus of business administration, and he devotes three to four hours of his time each day to the club. Dr. East estimates she is currently

spending 50 percent of her time on club business.

"But consistent management is essential right now," she explained. "We have brought the club's finances under the board's control."

What impels Dr. East — and many other devoted persons — to put so much time and effort into Faculty Club Affairs?

"I don't know how this will look in print," she said, "but basically I feel that there is both a dignity and a responsibility in being a member of the Penn State faculty. Belonging to the Faculty Club intensifies that feeling."

"And when you talk to people who use the club, most of them feel pretty good about it. I hope enough people who feel that way will come forward to keep it going."

University Park Calendar

SPRING TERM 1978

Thursday, March 16

'Tis the Luck of the Irish Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.
Colloquy film, *All the President's Men*, 7 and 9:30 p.m., HUB assembly hall.
Artists Series, Goldovsky Grand Opera Theatre, *La Boheme*, 8:30 p.m., Eisenhower Auditorium.

Intarnatural sports: women's and coed basketball (round robin), coed bowling (round robin), women's badminton singles, doubles, and coed doubles (single elimination); men's graduate student and faculty/staff handball doubles (round robin), badminton (round robin), entry open. Entry close, noon, March 17.

HUB Craft Center class registration, through March 19, noon-5 and 7-10 p.m., except Saturday, 10 a.m.-6 p.m., Room 312 HUB.

Friday, March 17

Board of Trustees meeting, at Hershey.
'Tis the Luck of the Irish Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.
Astronomy Open House, 7-10 p.m., Davey Lab. Cloud date, March 18. See Saturn, Jupiter and the first quarter moon.

Colloquy film, *All the President's Men*, 7 and 9:30 p.m., Room 111 Forum.

International Council Lecture. Dr. H. Barakat on "Palestinian People in Occupied Territory," 7:30 p.m., Room 112 Kern.

University Model United Nations, "The Problem of Southern Rhodesia," 8 p.m., HUB assembly hall. Ambassadors James Murray, deputy permanent representative of the United Kingdom to the U.N. and Kasuka Mutukwa, deputy permanent representative of Zambia to the U.N. will speak.

Saturday, March 18

Board of Trustees meeting, at Hershey.
University Model U.N., "The Problem of Southern Rhodesia," general debate, 9 a.m.-noon and 2-5 p.m., Rooms 225 and 323 HUB.

Synchronized Swimming meet, 1 p.m., Natsatorium.

Colloquy film, *All the President's Men*, 7 and 9:30 p.m., Room 111 Forum.

New German Cinema, Werner Herzog, *The Enigma of Kasper Hauser*, 7 and 9 p.m., Room 112 Kern.

Pennsylvania Vocal Ensemble, 8:30 p.m., Eisenhower Auditorium.

Sunday, March 19

University Chapel service. Jack Lewis, Cornell United Religious Work, Cornell University, 11 a.m., Eisenhower Chapel.

Free U Registration, 1-6 p.m., HUB ballroom. Shaver's Creek Nature Center, Maple Sugaring Program, 1:30-4 p.m., Forestry Camp, Stone Valley.

University Model U.N. "The Problem of Southern Rhodesia," concluding session, 2-5 p.m., Rooms 225 and 323 HUB.
Colloquy film, *All the President's Men*, 7 and 9:30 p.m., Room 111 Forum.
Artists Series, Jerry's Irish Cabaret of Dublin, 8:30 p.m., Eisenhower Auditorium.
Penn State Glee Club and Women's Glee Club of Lehigh University, 8:30 p.m., Music Bldg. recital hall.

Week of March 20

Monday, March 20

Intarnatural sports: coed softball (single elimination), entry open. Entry close, noon, March 23.
Last date for May graduates to activate diploma cards in Registrar's Office and to pay these fees at Bursar's Office.
STS Graduate School Public Lecture. Bishop John A. T. Robinson, Trinity College, Cambridge, on "Truth is Two-Eyed: A Model for Holding Together Insights of East and West," 4 p.m., Room 112 Kern.
Shakespeare film, *Richard III* (Oliver), 6:30 p.m., Room 101 Chambers.
Cinematheque, Hawks, *Red River* (1948), 7 and 9 p.m., HUB assembly hall.
New German Cinema, *The Enigma of Kasper Hauser*, 7 and 9 p.m., Room 112 Kern.
Colloquy Lecture, Henry Kyemba, author, on "The Inside Story of Idi Amin," 8 p.m., Eisenhower Auditorium.

Tuesday, March 21

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Kimon Friar, translator of Nikos Kazantzakis, on "The Stone Eyes of Medusa."

History Colloquium, Edward Murray Peters, University of Pennsylvania, on "The Societal Implications of the Medieval Concept of Infamy," 2:30 p.m., Room 124 Sparks.

Human Development Lecture. Sulak Sivarakas, University of Toronto, on "The Influence of Buddhism and Non-Violent Action on Social Change in Thailand," 3:30 p.m., Room S-131 Henderson.

Engineering, Honorary Lecture. John J. McKetta, University of Texas, Austin, on "The U.S. Energy Problem — America's Achilles Heel," 4 p.m., Room 105 Forum.

English Colloquium, Kimon Friar, Ohio State University, on "The Spiritual Odyssey of Nikos Kazantzakis," 8 p.m., Room 101 Kern.

Shakespeare film, *Richard III* (Oliver), 6:30 p.m., Room 101 Chambers.

Comp. Lit. film, *Loneliness of the Long Distance Runner*, 7 and 9 p.m., Room 112 Kern.

English Colloquium, Kimon Friar, Ohio State University, on "The Spiritual Odyssey of Nikos Kazantzakis," 8 p.m., Room 101 Kern.

Wednesday, March 22

Commonsplace Theatre, *Spartacus*, 7:30 and 9:30 p.m., Room 112 Kern.

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, March 23

Proposal deadline for Penn State 1978-79 Research Initiation Grants Program. For information, telephone your Administrative Committee on Research Dean.

Friday, March 24

Add deadline.
Sports: men's gymnastics, NCAA Midwest Regionals.

Saturday, March 25

france-cinema, Truffaut, *Wild Child*, 7 and 9 p.m., Room 101 Kern.
Free U Spring Play, James Thurber, *Many Moons*, 8 p.m., Room 101 Kern.

Sunday, March 26

University Chapel service. Easter Concert by All-Faith Choir, Tommie Irwin, director, 11 a.m., Music Bldg. recital hall.

Free U Spring Play, *Many Moons*, 1 p.m., Room 112 Kern.

Shaver's Creek Nature Center, Weather With-out Instruments, 2-4 p.m., Mineral Industries Camp, Stone Valley.

france-cinema, *Wild Child*, 7 and 9 p.m., Room 112 Kern.

Week of March 27

Monday, March 27

Intarnatural sports: men's graduate student and faculty/staff tennis doubles (single elimination), slow pitch softball (round robin), 5 man soccer teams (round robin), entry open. Entry close, noon, March 30.

IAHS Illustrated Lecture. Jane Fawcett, architectural historian, on "The Philosophy of Restoration: Changing Attitudes 1550-1977," 4 p.m., Room 302 Engineering Unit D.

Shakespeare film, *A Midsummer Night's Dream* (Riggall), 6:30 p.m., Room 101 Chambers.

Cinematheque, Stevens, *Shane* (1953), 7 and 9 p.m., HUB assembly hall.

france-cinema, *Wild Child*, 7 and 9 p.m., Room 112 Kern.

Tuesday, March 28

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Jane Fawcett, architectural historian, on "Queen Victoria's Taste."

Shakespeare film, *A Midsummer Night's Dream*, 6:30 p.m., Room 101 Chambers.

Faculty Newcomers Women's Club Fashion Show and Reception, 7:30 p.m., HUB north lounge.

German Department Lecture. Theodore Anderson, Stanford University, on "Niebuhrigenheit," 7:30 p.m., Room 101 Kern.

Comp. Lit. film, *The Leopard*, 8 p.m., Room 112 Kern.
Artists Series. Lloyd Mills, *A Sailor Made Man and Grandma's Boy*, 8 p.m., Eisenhower Auditorium.



Wednesday, March 29

Commonsplace Theatre, *Harry and Tonto*, 7:30 and 9:30 p.m., Room 112 Kern.

Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Friday, March 31

Pass/fail deadline.
Shaver's Creek Nature Center, Timberdoode Walk, 6 p.m., Mineral Industries Camp, Stone Valley.

france-cinema, Polanski, *The Tenant* (in English), 7 and 9 p.m., Room 112 Kern.

A. Dixon Johnson Memorial Lecture in Science Communication. Carl Sagan, Cornell University, on "Public Understanding of Science," 8 p.m., place to be announced.

Saturday, April 1

Last date for May graduates to deliver doctoral theses to committees.

france-cinema, Bunuel, *Discreet Charn of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.

Sunday, April 2

University Chapel service. Thomas W. Courtney, speaker and author, State College, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Reptiles Program, 2 p.m., Mineral Industries Camp, Stone Valley.

france-cinema, Polanski, *The Tenant* (in English), 7 and 9 p.m., Room 112 Kern.

Artists Series, New York Renaissance Band, (rescheduled), 8:30 p.m., Eisenhower Auditorium.

Week of April 3

Monday, April 3

Pass/fail deadline.
London Bus tours start, 1:30 and 2:30 p.m., weekdays throughout term, HUB main entrance.

Cinematheque, Wellman, *Orson Incident* (1943), 7 p.m.; Peckinpah, *The Wild Bunch* (1968), 9 p.m., HUB assembly hall.

france-cinema, *Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.

Philip Pettra, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 4

Drop deadline.
Pass/fail deadline.
Course repeat deadline.

Pre-registration deadline for summer term 1978.

Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.

Fixed date for meetings involving Commonwealth Campus faculty.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Algeria Bendelac, French, Schuyllink Campus, on "Problems of the South."

france-cinema, *The Tenant*, 7 and 9 p.m., Room 112 Kern.

English Colloquium, Kenneth Thigpen, English, on "Killing the Fatted Calf: Critical Problems in the Study of Folk Narrative," 8 p.m., Room 101 Kern.

Wednesday, April 5

Commonsplace Theatre, *The Last Detail*, 7:30 and 9:30 p.m., Room 112 Kern.

Artists Series, American Film Theatre, *Pinter, The Homecoming*, 8 p.m., Eisenhower Auditorium.

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.

Friday, April 7

New German Cinema, Werner Herzog, *Aguirre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Artists Series, Speculum Musicae, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 8

Last date for final oral doctoral examinations for May graduates.

Last date for May graduates to deliver master's theses or papers to advisers.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 9

University Chapel service. Dr. Gayraud S. Wilmore, Colgate Rochester/Bekley Hall, Crozer, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, History Program, 2 p.m., Mineral Industries Camp, Stone Valley.

Artists Series, Lynn Harrell, "cellist, 8:30 p.m., Eisenhower Auditorium.

Week of April 10

Monday, April 10

Cinematheque, Penn, *Little Big Man* (1970), 7 and 9 p.m., HUB assembly hall.

New German Cinema, *Aguirre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.

Ezra Laderman Festival, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 11

Friends of the Museum of Art Gallery Talk. John Cushion, Victoria and Albert Museum, London, on "English Tin-Glazed Earthenware," 10:30 a.m., Museum of Art.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Edmund Bendure, literature, Universidad Nacional de San Marcos, on "APRA Literary Connections."

Comp. Lit. film, *Rules of the Game*, 7 and 9 p.m., Room 112 Kern.

Gallery Talk. William Christenberry, Corcoran School of Art, Washington, D.C. will discuss his own work, 8 p.m., Zoller Gallery.

Ezra Laderman Festival, 8:30 p.m., Music Bldg. recital hall.

Wednesday, April 12

African Studies Forum. Dr. Okete J. E. Shiroya, Kenyatta University College, Nairobi, Kenya, on "The Development of Modern Education in East Africa: Problems and Prospects," 7:30 p.m., HUB assembly hall.

Commonsplace Theatre, *Paton*, 7:30 and 9:30 p.m., Room 112 Kern.

PSU Percussion Ensemble, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 13

History Colloquium, Okete Shiroya, Jomo Kenyatta University College of Nairobi, Kenya, on "The Development of Nationalism in Colonial Kenya," 2:30 p.m., Room 124 Sparks.

Let's Have a Spring Fling Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

Central Pa. Society of the Archaeological Institute of America, Rev. John Wilkinson, Lehigh, England, on "A New Temple: The Church of the Holy Sepulchre in Jerusalem," 8 p.m., Room 101 Kern.

Friday, April 14

Let's Have a Spring Fling Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

Un-Common Theatre, *Pierre Pathelin*, 8 p.m., Room 102 Kern.

Artists Series, Cleveland Quartet, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 15

Shaver's Creek Nature Center, Youth Leaders Workshop (by registration only — 865-1851), 9 a.m.-noon, Stone Valley.
College of Earth and Mineral Sciences Open House, 1-5 p.m., Jobbes of Mineral Industries Bldg., Dike and Walker.
Un-Common Dinner Theatre, *Pierre Pathelin*, 6:30 p.m., Room 102 Kern.
france-cinema, *Bergman, The Magic Flute*, 7 and 9 p.m., Room 112 Kern.

Sunday, April 16

University Chapel service, Dr. Joseph Sittler, Lutheran School of Theology, Chicago, 11 a.m., Eisenhower Chapel.
College of Earth and Mineral Sciences Open House, 1-5 p.m., Jobbes of Mineral Industries Bldg., Dike and Walker.
Shaver's Creek Nature Center, Spring Ecology Walk, 2-4 p.m., Mineral Industries Camp, Stone Valley.
Un-Common Dinner Theatre, *Pierre Pathelin*, 6:30 p.m., Room 102 Kern.
france-cinema, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern.

Week of April 17

Monday, April 17

Intamaral sports: women's golf (single elimination), women's track and field (open), entry open. Entry close, noon, April 20.
E. A. Day Memorial Lecture in Food Science, Georg Borgstrom, Michigan State University, on "Neglected Aspects of the World Food Problem," 11 a.m., Room 112 Kern.
Shakespeare film, *Hamlet* (Oliver), 6:30 p.m., Room 101 Chambers.
Cinematheque, Huston, *The Maltese Falcon* (1941), 7 and 9 p.m., HUB assembly hall.
Color-Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, April 18

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. James A. Brundage, University of Wisconsin, Milwaukee, on "The Church's Attitude Towards Sex and Pornography," france-cinema, Robert, *War of the Buttons*, 7 and 9 p.m., Room 112 Kern.
Artists Series, Keaton films, *The Blacksmith and Our Hospitality*, 8 p.m., Eisenhower Auditorium.

English Colloquium, Augustus Kolich, English, on "Uses of Autobiography in the Contemporary Novel: Fictionalized Recall and Frank Conroy's *Stop-Time*," 8 p.m., Room 101 Kern.

Wednesday, April 19

5:00 o'clock Playwright's Theatre, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.
Nads Synchronized Swim Show, student preview, 7 p.m., Natatorium.
Commonplace Theatre, *The Conversation*, 7:30 and 9:30 p.m., Room 112 Kern.
Musica da Camera, chamber music, 8:30 p.m., Music Bldg. rectal hall.

Thursday, April 20

Faculty Women's Club Spring Luncheon, 11:30 a.m., HUB. Barbara McKibben, Distinguished Alumna, editor of *Vogue Magazine*, on "Report on What to Wear with What and a Look at Summer's New Clothes."
5:00 o'clock Playwright's Theatre, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.
Nads Synchronized Swim Show, 8 p.m., Natatorium.

Friday, April 21

5:00 o'clock Playwright's Theatre, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.
Nads Synchronized Swim Show, 8 p.m., Natatorium.
PSU Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. rectal hall.

Saturday, April 22

Shaver's Creek Nature Center, Adventure Series (by registration only — 865-1851), for children ages 7 and up, 10 a.m.-3 p.m., Stone Valley.
Phi Psi 500, noon.
Nads Synchronized Swim Show, 8 p.m., Natatorium.

Sunday, April 23

University Chapel service, Dr. George Jones, Office of Religious Programs, Ball State University, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Streams and Valleys, 2-4 p.m., Stone Valley.
france-cinema, Malle, *Elevator to the Gallows*, 7 and 9 p.m., Room 112 Kern.

Week of April 24

Monday, April 24

Last date for May graduates to deliver theses to Graduate School Office.
Last date for Departments to certify to Graduate School completion of required papers for May graduates.

Shakespeare film, *Hamlet*, 6:30 p.m., Room 101 Chambers.
Cinematheque, Dmytryk, *Murder, My Sweet* (1944), 7 and 9 p.m., HUB assembly hall.
france-cinema, *Elevator to the Gallows*, 7 and 9 p.m., Room 112 Kern.

Tuesday, April 25

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Archy Allen, classics, will speak.
Comp. Lit. film, *Long Day's Journey into Night*, 7 and 9 p.m., Room 112 Kern.
English Colloquium, John Bellamy, Carleton University, Ottawa, on "The Medieval Literature of Crime," 8 p.m., Room 101 Kern.

Wednesday, April 26

france-cinema, *The Death, Blue Water, White Death*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series, Barry Snyder, pianist, 8:30 p.m., Music Bldg. rectal hall.

Thursday, April 27

History Colloquium, Gerald G. Eggert, PSU, on "Historians, Liars, and Damned Statistics," 2:30 p.m., Room 101 Kern.
Phi Kappa Phi annual banquet and initiation, 5:30 p.m., HUB ballroom.
Shakespeare film, *Hamlet* (Williamson/Richardson), 6:30 p.m., Room 101 Chambers.

Saturday, April 29

Little International Livestock Show, 8 a.m.-4 p.m., Ice Pavilion.
Shaver's Creek Nature Center, Youth Leaders Workshop (by registration only — 865-1851), 9 a.m.-noon, Stone Valley.
france-cinema, Robert, *The Return of the Tall Blond Man*, 7 and 9 p.m., Room 112 Kern.
Penn State Singers, 8:30 p.m., Music Bldg. rectal hall.

Sunday, April 30

University Chapel service, Dr. Samuel DeWitt Proctor, education, Rutgers University, and pastor, Abyssinian Baptist Church, New York, 11 a.m., Frizzell Room, Eisenhower Chapel.
Shaver's Creek Nature Center, Spring Wildlife Walk, 2-4 p.m.; Bees, 3-4:30 p.m., Mineral Industries Camp, Stone Valley.

Week of May 1

Monday, May 1

First day for signing summer term NDGL and University Long Term Loans, Room 108 Shields.
Cinematheque, Lang, *The Big Heat* (1953), 7 p.m.; Hawks, *The Big Sleep* (1946), 9 p.m., HUB assembly hall.
Priestly Lecture, Paul Berg, Stanford University Medical Center, will speak, 8 p.m., place to be announced.
Faculty Wind Ensemble, 8:30 p.m., Music Bldg. rectal hall.

Tuesday, May 2

Fixed date for meetings involving Commonwealth Campus faculty.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Leon Lyday, Spanish, on "Flores y Papel."

English Colloquium, Elmer Borklund, English, on "Some Modern Critical Myths," 8 p.m., Room 101 Kern.

History of Photography Week Lecture. Gail Buckland, former archivist of the Royal Photographic Society of Great Britain, on "William Henry Fox Talbot, Inventor of Photography," 8 p.m., Room 101 Kern.
Priestly Lecture, Paul Berg, Stanford University Medical Center, will speak, 8 p.m., place to be announced.

Wednesday, May 3

Commonplace Theatre, *Mean Streets*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series, American Film Theatre, Genet, *The Maids*, 8 p.m., Eisenhower Auditorium.
History of Photography Week Lecture. Nachum T. Gidal, writer and photojournalist, on "My Life in Photojournalism," 8 p.m., Room 101 Kern.

Priestly Lecture, Paul Berg, Stanford University Medical Center, will speak, 8 p.m., place to be announced.

University Theatre, Euripides, *Electra*, student preview, 8 p.m., The Playhouse.
Alard String Quartet, 8:30 p.m., Music Bldg. rectal hall.

Thursday, May 4

Priestly Lecture, Paul Berg will speak, 3 p.m., place to be announced.
University Theatre, *Electra*, 8 p.m., The Playhouse.
Penn State University Chorus, 8:30 p.m., Eisenhower Auditorium.

Friday, May 5

Last day for signing spring term NDGL and University Long Term Loans, Room 108 Shields.

Shaver's Creek Nature Center, Evening Pond Walk, 7 p.m., Stone Valley.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Saturday, May 6

53rd Penn State Dairy Exposition, 8 a.m.-5 p.m., University Dairy Barns.
Shaver's Creek Nature Center, Early Morning Bird Walk, 8-9:30 a.m.; Wildlife Identification Workshop (by registration only — 865-1851), 9:30 a.m.-noon, Stone Valley.
france-cinema, Molinaro, *Male Hunt*, 7 and 9 p.m., Room 101 Kern.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Sunday, May 7

University Chapel service, Dr. Badr Ateya, PSU, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, What's New — Young Wildlife in the Spring, 2-4 p.m., Stone Valley.
PSU Wind Ensemble, "Pop's Concert," 3:30 p.m., Arts Courtyard.
france-cinema, *Male Hunt*, 7 and 9 p.m., Room 101 Kern.

Week of May 8

Monday, May 8

Cinematheque, Yates, *Bullitt* (1968), 7 and 9 p.m., HUB assembly hall.

Tuesday, May 9

Late drop deadline.
Last date for prospective graduate students to submit completed application materials for admission to summer term.
Last date for graduate students to apply for permission to resume study in summer term.
Friends of the Museum of Art Gallery Talk. Robert Kulicke, New York designer and craftsman, will talk about jewelry, 10:30 a.m., Museum of Art.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Eric H. McCormick, Auckland University, on "Fanny Burney and Her Circle."

History of Photography Week Lecture. Heinz K. Hennich, physics and history of photography, on "Photography and Its History," 8 p.m., Room 101 Kern.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Wednesday, May 10

Commonplace Theatre, If: 7:30 and 9:30 p.m., Room 112 Kern.
History of Photography Week Lecture. Lucien Goldschmidt, editor and bookseller, on "The Truthful Lens," 8 p.m., Room 101 Kern.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Composers' Concert, faculty presentation of music students' compositions, 8:30 p.m., Music Bldg. rectal hall.

Thursday, May 11

History Colloquium, Roul C. van Caenegem, University of Gent, Belgium, on "Some Urban Legislation of Philippe de Alsace, Count of Flanders," 2:30 p.m., Room 124 Sparks.
It's the End of Another Year Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Friday, May 12

It's the End of Another Year Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.
Folk and Square Dance Roundup, 7:30 p.m., Room 123 White.
Philosophy Department Dorrer Lecture. Wilfrid Sellars, University of Pittsburgh, 8 p.m., Laurel Room, Nittany Lion Inn.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Saturday, May 13

Last date for submitting petition to Records Office to graduate in absentia in May.
Shaver's Creek Nature Center, Nature Workshop for Preschoolers and Parents (by registration only — 865-1851), 9:30 a.m.-noon, Stone Valley.
france-cinema, *The Sex Shop*, 7 and 9 p.m., Room 112 Kern.
University Chorus and PSU Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.
University Theatre, *Electra*, 8 p.m., The Playhouse.

Sunday, May 14

University Chapel service, Raymond Brown directs a special musical program, 11 a.m., Music Bldg. rectal hall.
Shaver's Creek Nature Center, Spring Wildlife Walk, 2-4 p.m., Stone Valley.
Penn State Glee Club, 3 p.m., Eisenhower Auditorium.

Week of May 15

Monday, May 15

Cinematheque, Friedkin, *The French Connection* (1972), 7 and 9 p.m., HUB assembly hall.

White Band concert, 7 p.m., Fisher Plaza.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Wednesday, May 17

Shakespeare film, *King Lear* (Brook/Scofield), 6:30 p.m., Room 101 Chambers.
Commonplace Theatre, *First Circle*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, May 18

Shakespeare film, *King Lear*, 6:30 p.m., Room 101 Chambers

Friday, May 19

Shaver's Creek Nature Center, Ghoules and Beasts and Things That Go Bump in the Night, 8 p.m., Stone Valley.

Saturday, May 20

Last day for signing spring term Emergency Loans, Room 108 Shields.
Shaver's Creek Nature Center, Early Morning Bird Walk, 8-9:30 a.m.; Spring Wildlife Walk, 2-4 p.m., Stone Valley.
Spring term classes end.

Sunday, May 21

Shaver's Creek Nature Center, History in the Rocks, 2-4 p.m., Stone Valley.

Week of May 22

Monday, May 22

Final examinations.

Tuesday, May 23

Final examinations.

Wednesday, May 24

Final examinations.

Thursday, May 25

Board of Trustees meeting, Room 402 Keller.

Friday, May 26

Board of Trustees meeting, Room 402 Keller.

Saturday, May 27

Commencement, 10:30 a.m. and 1:30 p.m.

Exhibits

Chambers Gallery

Donna Pavlosky, weavings, and prints by Gettysburg College students, through March 28.
Terry L. Bowie, paintings, April 3-19.
PSU Art Education Undergraduate Student exhibition, mixed media, April 24-May 16.

Earth and Mineral Sciences Museum
Open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m. Mineral Industries Bldg.

Frost Entomological Museum

Open weekdays, 9 a.m.-noon and 1-4:30 p.m., Room 102 Patterson. Architecture of insects and related arthropods.

HUB Gallery

Jim Baker, recent photography, through March 31.
Central Pa. Elementary and Secondary School Art, May 1-20.

Kern Commons Gallery

Bud Gibbons, paintings; Grace Pilato, ceramics and porcelain; Joyce Stover, jewelry; PSU Ukrainian Club exhibit, all through March 25.
Nads ceramics, paintings and BFA print exhibit, March 25-April 8.
Jill Crowley, ceramics, March 27-April 14.
USN Combat Art of WW II, paintings, April 6-20.
Ed Leos, photographs, April 8-29.
Lydia Rodgers, patchwork and David Strineberg, jewelry, April 14-29.
Bob Bott, wall ceramics, April 22-May 6.
Susan Canavan, Esther DeRosso and Suzanne Glascock, prints and drawings and Mahin Ghanbari, ceramics, April 29-May 13.

Museum of Art

Open Tuesday-Sunday, noon-5 p.m. Tours, 1:30 p.m. on Sundays.
Faces of Spain: Goya exhibition, through May 28.

Pattee Galleries

Lending Services Lobby, Stanley Miller, photographs, through March 22.
East Corridor Gallery, Donald Brown, Rural Farm Scenes, watercolors, through March 23.

Sackett Gallery

Architectural Component of Space, architecture student drawings, photos and models, through March 23.
Basic Design and Color, 2nd year architecture students, March 24-April 7.
Richard Alden, Colored Pencil Drawings, 11:30 a.m.-1:30 p.m., Wednesdays and Thursdays, Room 401 Sackett, through mid-April.

Zoller Gallery

Sculpture student exhibition, March 18-29.
Drawing and printmaking exhibition, April 1-12.

Delayed spring term is off to a busy start

Carl Sagan to deliver Dixon Johnson lecture

Dr. Carl Sagan, author, astronomer, and seeker of extraterrestrial life, will present the first A. Dixon Johnson Memorial Lecture in Scientific Communication at the University at 8 p.m. Friday, March 31.

He will discuss "Public Understanding of Science." Tickets are required and will be available free at the Hetzel Union Bldg. March 27 and 28. The location of the lecture will be announced March 29.

A practicing astronomer as well as a science communicator, Dr. Sagan is director of the Laboratory for Planetary Studies and David Duncan Professor of Astronomy and Space Sciences at Cornell University, where he also serves as associate director of the Center for Radiophysics and Space Research. His principal research activities are in the physics and chemistry of planetary atmospheres and surfaces, in space vehicle exploration of the planets, and on the origin of life on earth. He is also known for his studies in exobiology, the emerging discipline which deals with the possibility of extraterrestrial life and the means for its detection.

Dr. Sagan has played a leading role in the Mariner, Viking, and Voyager missions to the planets, for which he received the NASA Medal for Exceptional Scientific Achievement in 1972; the international astronautics prize, the Prix Galabert, in 1973; and the NASA Medal for Distinguished Public Service in 1977. He has served as chairman of the Division for Planetary Sciences of the American Astronomical Society and as chairman of the Astronomy Section of the American Association for the Advancement of Science. Since 1968, he has been editor-in-chief of ICARUS: International Journal of Solar System Studies.

The author of more than 400 scientific and popular articles and several contributions to the *Encyclopedia Britannica*, Dr. Sagan is co-author or author of more than a dozen books. His latest book, *The Dragons of Eden: Speculations on the Evolution of Human Intelligence*, was on the New York Times best seller list for eight months.

The bicentennial A. Dixon Johnson Lecture honors the memory of the late A. Dixon Johnson, science writer and director of public information at Penn State from 1960 until his death in 1974. It is supported by a fund established by the family and friends of Mr. Johnson and the College of Science Alumni Society.

Herzog film to be shown

University Park will get its first direct exposure to the work of the young German filmmaker Werner Herzog with the screening of *The Enigma of Kaspar Hauser* on Saturday and Monday, March 18 and 20, in Room 112 Kern Bldg. Showings are at 7 and 9 p.m.

The film, which captured the Special Jury Prize at the 1975 Cannes Film Festival, recounts the story of Kaspar Hauser, who mysteriously appears one day in the 1820s in a small town in Germany after having been confined to a cellar for his first 18 years. This German "Wild Child" quickly finds his way to a philosopher-teacher and after a rapid, if bizarre, education is playing the first jazz versions of Mozart.

The film is part of the series sponsored by the Department of French.

Gibbons' show at Kern

Kern's Commons Gallery is presenting an exhibit of paintings by Charles W. Gibbons through March 25. Mr. Gibbons, an assistant professor of art at New Kensington, received his B.F.A. from the Maryland Institute College of Art and his M.F.A. from Penn State. He has exhibited in numerous galleries and at arts festivals throughout Pennsylvania and Maryland.



The Contemporary Dance Company will present its annual concert Saturday, March 18, at 8:30 p.m. in Eisenhower Auditorium. Tickets are on sale at the auditorium box office.

Glee Club presents Schubert Mass

The Penn State Glee Club and the Lehigh University Women's Choir will present a joint concert at 3:30 p.m. Sunday, March 19, in the Music Bldg. recital hall.

Featured on the program will be Schubert's Mass in A Flat Major, to be performed by the two vocal groups, soloists and members of the State College Symphony.

Performing alone, the Penn State Glee Club will sing "Hallelujah, Amen" from *Judas Macabaeus* by G. F. Handel and "Das Dörchen" and "Widerspruch" by Schubert.

The Lehigh Women's Choir will perform "Petites Voix" by Francis Poulenc.

Bruce Trinkle, associate professor of music, directs the Glee Club.

Alard concert March 22

The Alard String Quartet will present a public concert at 8:30 p.m. Wednesday, March 22, in the Music Bldg. recital hall.

Included on the program are Quartet in G Major, Opus 18, No. 2 by Beethoven; Quartet No. 2, *Intimate Letters*, by the Czech composer, Janacek; and Sextette in B Flat Major, Opus 18 by Brahms.

For the Brahms piece the Quartet will be joined by Rebecca McKee, violinist, and Bernd Wissick, cellist, both graduate assistants in the Department of Music.

Alard members are Joanne Zagst and Donald Hopkins, violinists; Raymond Page, violist; and Leonard Feldman, cellist. All are associate professors of music at Penn State.

Energy problem is engineer's topic

"The U.S. Energy Problem — America's Achilles' Heel" will be the topic of a talk by John J. McKetta at 4 p.m. on Tuesday, March 21, in Room 105 Forum Bldg. Dr. McKetta is R. P. Schuch Professor of Chemical Engineering at the University of Texas at Austin and the 1978 honorary lecturer of engineering at the University.

A member of the National Academy of Engineering, Dr. McKetta has published more than 255 articles. He is the co-author

of the 24-volume *Encyclopedia of Chemical Technology* and has authored or co-authored 17 other technical books, including the 10-volume reference, *Advances in Petrochemicals and Refining*.

He was the recipient in 1975 of The National Society to Society Award for his efforts in informing the public on the topics of energy and sensible environmental balance. In 1976, he received The Lamm Award, presented by the American Society for Engineering Education to "The Outstanding Engineering Educator in the U.S.A. for 1976."

Two UN delegates to discuss Rhodesia

Two United Nations delegates will be at the University Friday, March 17, to discuss the problem of Rhodesia and the feasibility of the recent internal settlement reached there. They will speak at 8 p.m. in the HUB auditorium at the opening session of the University Model United Nations General Assembly. The meeting is open to the public.

The delegates are Ambassador James Murray, Deputy Permanent Representative of the United Kingdom to the UN, and Dr. Kasuka Mutukwa, Deputy Permanent Representative of Zambia to the UN.

Greek author visiting

Kimón Friar, Greek translator, editor, and poet, will visit the University Park Campus as a guest of the Institute for the Arts and Humanistic Studies from Monday, March 20, to Friday, March 24. He will speak on "The Spiritual Odyssey of Nikos Kazantzakis" at an English Colloquium lecture on Tuesday, March 21, at 8 p.m. in Kern Bldg. and will talk to the Comparative Literature Luncheon group the same day.

Goya show at Museum

Twenty prints and two drawings by Francisco Jose de Goya y Lucientes are on display in the Museum of Art through May 28. The exhibition commemorates the 150th anniversary of the artist's death.

Among the prints are several from

Goya's most popular series, "Los Caprichos," published in 1799. Examples from two other print series are also represented. They are "Disasters of War," produced from 1810-1823, but first published in 1863; and "Los Disparates" or "Los Proverbios" (follies or proverbs), from the years 1815-1821.

The brush and India ink wash drawing are "Two Women Embracing" and "You Make a Mistake if You Marry Again," on loan from Princeton and Harvard Universities, respectively.

Bishop Robinson to speak

Bishop John A. T. Robinson, Dean of the Chapel and Lecturer in Theology at Trinity College, Cambridge, will deliver a public lecture at 4 p.m. Monday, March 20, in Room 112 Kern Bldg. His topics "Truth Is Two Eyed, A Model for Holding Together Insights of East and West."

Bishop Robinson captured the attention of both the secular and religious worlds some ten years ago with his book, *Honest to God*. More recently, he is the author of *The Human Face of God*, *Redating the Old Testament* and *Can We Trust the New Testament?*

His lecture is sponsored by the Science, Technology and Society Program and by the Graduate School.

Experimental group offering "The Dybbuk"

An English adaptation of *The Dybbuk* will be presented by the Experimental Theatre Company in the Pavilion Theatre March 22-25.

This adaptation by Leon Katz is a world premiere performance. It is taken from the play written in 1914 by S. Ansky and deals with the exorcism of a *dybbuk*, or dead man's spirit, from the body of a living person.

The production is under the direction of Dan Ronen, assistant professor of theatre arts.

"The purpose of the Experimental Theatre Company," explains Mr. Ronen, "is to expose the students, faculty and the general public to non-traditional theatre and plays which are not usually performed in educational or commercial theatre. It explores alternative acting techniques, new uses of space in theatre, and the active participation of the audience in productions."

Tickets will be available at the Playhouse Theatre box office starting today March 16, from 1 to 6 p.m., Monday through Saturday. Tickets are 50 cents for non-reserved seating. For further information, call the box office at 865-1884.

Seminars

Monday, March 20
Computation Center, "Document Prep./SCRIPT," (1 of 4), 7:30 p.m., Room 201 Bus Admin. Bldg.

Tuesday, March 21
Food Science, E. Mott, "Use of Enzymes in the Tenderization of Meat," 11:10 a.m., Room 201 Borland.
Computer Science/Computation Center, James Elshoff, General Motors, Warren, Michigan, on "The Use of Undefined Data Values," 1 p.m., Room 111 Boucke.
Computation Center, "Graphics," (1 of 4), 7:30 p.m., Room 105 Osmund.

Wednesday, March 22
Computation Center, "Document Prep./SCRIPT," (2 of 4), 7:30 p.m., Room 201 Bus Admin. Bldg.

Thursday, March 23
Chemistry, Larry R. Faulkner, University of Illinois, on "Electrochemical and Photochemical Processes in Organic Thin Film Layers," 12:45 p.m., Room 333 Whitmore.
Agronomy, John Grace on "Breeding for Drought Resistance in Small Grains," 3:35 p.m., Room 111 Tyson.
Computation Center, "Graphics," (2 of 4), 7:30 p.m., Room 105 Osmund.

The Committee on Admissions, Records and Scheduling is asked to prepare an informational report summarizing available admissions data and to present this information to the University Faculty Senate. The Division of Admissions, Records, and Scheduling compiled the data shown in the tables. The purpose of the report is to give the University community an indication of the type of students enrolling in Penn State.

When individuals apply for admission as freshmen to Penn State, high school grade point averages and SAT scores are used to predict the grade point average that individual will have at the end of his/her freshman year. The predicted grade point averages are then categorized into admissions categories 1 through 10 (Table 1). The equations used to predict the grade point averages in the following tables are as follows:

Nonscience: $PGPA = .61813 (HSGPA) + .00137 (SAT V) + .00063 (SAT M) - 1.9787$
 Science: $PGPA = .72227 (HSGPA) + .00114 (SAT V) + .00156 (SAT M) - 1.12926$

where PGPA = predicted grade point average, HSGPA = high school grade point average, SAT V = verbal SAT score, and SAT M = mathematics SAT score. Individuals indicate either a science or nonscience college on their application. The appropriate equation is then used to calculate that individual's PGPA.

The data in Tables 2 through 5 summarize information on baccalaureate degree freshmen entering the fall terms of 1973-1977. The number and percent of students within a range of high school grade point averages are shown in Table 2. The data suggest that the percent of students in the higher ranges of HSGPAs has increased over this five-year period. Verbal and math SAT scores are presented in Table 3. Mean scores for both sets of SAT scores have declined since 1973. The national averages for SAT V and SAT M are shown also. The numbers of baccalaureate degree freshmen entering each fall term from 1973 to 1977 in each admissions category are shown in Table 4. The data are converted to percents in Table 5. The numbers in each category are the total number for that category regardless of the prediction equation used.

Two conclusions are readily apparent. First, potential students predicting into the highest categories tend to attend University Park. Second, based on the percent of baccalaureate freshmen entering in each admissions category, the quality of PSU students has remained reasonably constant over this period. (Table 4 and 5). However, the average SAT scores over this period have declined. Since the same prediction equation was used throughout this period, the increasing HSGPA averages would tend to make the percent in each admissions category remain relatively constant.

COMMITTEE ON ADMISSIONS, RECORDS, AND SCHEDULING

Judd B. Arnold
 Brian A. Axtell
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Freshmen Admissions, 1973-1977

A Senate Informational Report

Table 1. The relationship of admissions category to predicted grade point average.

Admissions Category	Range of Predicted Grade Point Average
1	3.50-4.00
2	3.00-3.49
3	2.75-2.99
4	2.50-2.74
5	2.25-2.49
6	2.00-2.24
7	1.90-1.99
8	1.70-1.89
9	1.40-1.69
10	1.39 and below

Table 2. Comparison of high school grade point averages for baccalaureate degree freshmen entering at all locations the Fall Terms 1973-1977.

HSGPA* RANGE	1973	1974	1975	1976	1977
	No.	No.	No.	No.	No.
3.75-4.00	761	86	95	1034	1182
3.50-3.74	1028	116	1113	1298	135
3.25-3.49	1219	138	1365	154	1468
3.00-3.24	1554	176	1571	178	1674
2.75-2.99	1271	144	1245	141	1323
2.50-2.74	1413	160	1238	140	1373
2.25-2.49	962	109	920	96	936
2.00-2.24	477	54	446	51	364
Below 2.00 and no GPA	162	1.8	100	1.1	80
TOTAL	8847	8839	9586	8794	8717

*High school grade point average

Table 3. Comparison of mean SAT scores for baccalaureate degree freshmen entering the Summer and Fall Terms 1973-1977.

LOCATION	SAT VERBAL		SAT MATH	
	1973	1974	1975	1976
University Park	520	511	497	505
Commonwealth Campuses	463	458	446	451
All Campuses	468	481	466	472
National Mean Score	445	444	434	431

LOCATION	SAT VERBAL		SAT MATH	
	1973	1974	1975	1976
University Park	567	560	552	558
Commonwealth Campuses	502	503	500	502
All Campuses	530	528	522	524
National Mean Score	481	480	472	470

Table 4. Number of baccalaureate degree freshmen entering the Fall Terms 1973-1977 in each admissions category.¹

UNIVERSITY PARK	CAT 1	CAT 2	CAT 3	CAT 4	CAT 5	CAT 6	CAT 7	CAT 8	CAT 9	CAT 10	TOTAL
Fall 1977	113	1200	839	559	222	115	21	26	12	9	3116
Fall 1976	112	1250	872	418	132	109	25	30	9	7	2964
Fall 1975	84	1183	1020	591	103	101	18	26	7	6	3139
Fall 1974	102	1273	949	539	253	95	22	42	13	3	3291
Fall 1973	100	1258	923	610	219	89	14	9	2	3	3233

COMMONWEALTH CAMPUSES	CAT 1	CAT 2	CAT 3	CAT 4	CAT 5	CAT 6	CAT 7	CAT 8	CAT 9	CAT 10	TOTAL
Fall 1977	20	500	713	1183	1392	1553	16	36	0	2	5415
Fall 1976	24	546	733	1229	1489	1602	22	42	1	1	5689
Fall 1975	20	544	789	1310	1739	1885	33	39	2	1	6362
Fall 1974	26	455	690	1092	1461	1668	30	39	0	4	5465
Fall 1973	18	502	705	1085	1485	1675	27	40	33	8	5578

¹As of October 5, 1977 and comparable dates in preceding years.

Table 5. The percent of baccalaureate degree freshmen entering Fall Term 1973-1977 in each admissions category.¹

UNIVERSITY PARK	CAT 1	CAT 2	CAT 3	CAT 4	CAT 5	CAT 6	CAT 7	CAT 8	CAT 9	CAT 10	TOTAL
Fall Term 1977	3.6	38.5	26.9	17.9	7.1	3.7	.7	.8	.4	.3	3116
Fall Term 1976	3.8	42.2	29.4	14.1	4.4	3.7	.8	1.0	.3	.2	2964
Fall Term 1975	2.7	37.7	32.5	18.8	3.3	3.2	.6	.8	.2	.2	3139
Fall Term 1974	3.1	38.7	28.8	16.4	7.7	2.9	.7	1.3	.4	.1	3291
Fall Term 1973	3.1	38.9	28.5	18.9	6.8	2.7	.4	.3	.3	.06	3233

COMMONWEALTH CAMPUSES	CAT 1	CAT 2	CAT 3	CAT 4	CAT 5	CAT 6	CAT 7	CAT 8	CAT 9	CAT 10	TOTAL
Fall Term 1977	.4	9.2	13.2	21.8	25.7	28.7	.3	.7	.0	.04	5415
Fall Term 1976	.4	9.6	12.9	21.6	26.2	28.2	.4	.7	.02	.02	5689
Fall Term 1975	.3	8.6	12.4	20.6	27.3	29.6	.5	.6	.03	.02	6362
Fall Term 1974	.3	8.3	12.6	20.0	26.7	30.5	.6	.7	.0	.1	5465
Fall Term 1973	.3	9.0	12.6	19.5	26.6	30.0	.5	.7	.6	.1	5578

¹See Table 4 for the raw data.

The New Copyright Law: A Senate Informational Report

Congress took 13 years to complete its revision of the nation's copyright laws. Jan. 1, 1978, was the date it became effective, although it was enacted 15 months previously. Many questions about how the law is to be enforced are unresolved, but the University will certainly endeavor to abide by its provisions.

Because of the many ambiguities in the new law, it is impossible to prepare specific uniform guidelines to cover all aspects of the law. Therefore, the University Libraries will operate for the present under some broad, general interpretive practices. A copy of the statement regarding them is appended to this report.

The faculty should understand clearly that many practices of the past may be modified. It may no longer be possible to provide certain conveniences. Teaching and research practices related to library services of the past may have to be changed to avoid liability. Every effort will be made to make this as painless as possible, but it must be understood that we are not "above the law" and must live with that fact.

This brief report cannot possibly address it all. The many questions members of the Senate and the rest of the faculty may have, now

and in the future. Faculty are invited to submit questions about the new law, as it pertains to library services, to Assistant Dean of Libraries Charles H. Ness. If signed, they will ultimately elicit an answer based on the best information available to him.

SENATE COMMITTEE ON LIBRARIES

Henry S. Albinski William G. Hills
 Jerry B. Covert Margaret B. Matson
 Anthony Filippello Miles T. Pigott
 Stuart Forth Paul W. Welliver
 Manfred Kroger (Chairman)

Interim Statement for Librarians Concerning the Handling of Photocopying under the New Copyright Law (Title 17, United States Code)

The Copyright Act of 1976, a general revision of the Copyright Law of 1909, became fully effective on Jan. 1, 1978. The new law, with which we intend to comply fully, is meant to bring about a balance between the interests of

copyright owners and copyright users. It is not intended to prohibit existing practices if they are permissible under the doctrine of fair use.

The interpretation of what constitutes "fair use" as it applies to the reproduction of copyrighted materials by institutions and individuals is not entirely clear. Perhaps fair use would be violated if copies of copyrighted works or a substantial portion of such works were reproduced as a substitute for purchasing the copyrighted materials. The University Libraries acting in compliance with the law will not knowingly permit such practices. At the same time, the University Libraries will endeavor to meet the legitimate needs of the University community and will consider the following in doing so:

I. Coin-operated Photocopyers

Coin-operated photocopying machines are available to the University community as in the past. Users are cautioned that they as individuals are responsible for any infringement of the law. The following notice has been affixed to each coin-operated machine in the University Libraries: "The Copyright Law of the United States (Title 17 U.S. Code) governs the making

of photocopies of copyrighted material. The person using this equipment is liable for any infringement."

II. Copying of Copyrighted Materials by University Libraries

A. *Interlibrary Loans:* Those responsible for the operation of the whole national ILL network, including our colleagues at PSU, are faced with myriad problems which, at present, are unresolved. To date, national efforts to achieve agreement on what the law means, how it will affect universities and colleges, and how both copyright owners and users will be affected have been only of limited help to us, but it is likely that whatever happens some further inconvenience to users may be anticipated, although it is also likely that the basic purpose of the inter-library loan system will continue to be fulfilled.

B. *Reserve Use:* The University Libraries are carefully monitoring all photocopy requests for articles from copyrighted journals and portions of copyrighted books. The University Libraries may also seek to acquire reprints of assigned articles as indicated in the revised version of

(Continued on page 8)

Computation Center spring term seminars

Because many persons have stated that they were unable to attend the fall and winter term seminars of their interest, the Center will offer another series of evening seminars during the spring term. The sessions provide an informal method of learning more about the Center's services and are open to the University community. All sessions start at 7:30 p.m., and those intending to participate should notify the Center by calling 863-0422. The schedule is:

Date	Topic	Room	Instructor
3/20	Document Prep/SCRIPT	201 Bus. Adm. Bldg.	Minsker
3/22	Document Prep/SCRIPT	201 Bus. Adm. Bldg.	
3/27	Document Prep/SCRIPT	201 Bus. Adm. Bldg.	
3/29	Document Prep/SCRIPT	201 Bus. Adm. Bldg.	
3/21	Graphics	105 Osmond Lab	Dupree
3/23	Graphics	105 Osmond Lab	
3/28	Graphics	105 Osmond Lab	
3/30	Graphics	105 Osmond Lab	
4/4	Fortran Techniques	105 Osmond Lab	Verity
4/6	Fortran Techniques	105 Osmond Lab	
4/10	Fortran Techniques	105 Osmond Lab	
4/13	JCL Examples	105 Osmond Lab	Cox
4/5	Bibliographic Materials	105 Osmond Lab	Ide
4/13	Bibliographic Materials	105 Osmond Lab	Bernitt
4/17	Job Control Language	105 Osmond Lab	
4/19	Job Control Language	105 Osmond Lab	
4/24	Job Control Language	105 Osmond Lab	
4/26	Job Control Language	105 Osmond Lab	
5/1	Job Control Language	105 Osmond Lab	
5/3	Job Control Language	105 Osmond Lab	
4/18	Fortran-PLI Conversion	105 Osmond Lab	Ilgren
4/20	Fortran-PLI Conversion	105 Osmond Lab	
4/25	Introduction to AFL	201 Bus. Adm. Bldg.	Bernitt
4/27	Introduction to AFL	201 Bus. Adm. Bldg.	
5/2	Introduction to AFL	201 Bus. Adm. Bldg.	
5/4	Introduction to AFL	201 Bus. Adm. Bldg.	
5/9	Introduction to AFL	201 Bus. Adm. Bldg.	
5/11	Introduction to AFL	201 Bus. Adm. Bldg.	

Equitable treatment

(Continued from page 1)

necessary to make a total of over \$16 million in internal budget cutbacks and reallocations.

"There has also been a sharp escalation of tuition charges to students and their families by some 60 percent over the last six years.

"For the first time in Penn State's history, we have had to raise tuition two times in an academic year, making Penn State's new tuition rate the highest of any public land-grant university in the nation.

"Penn State has the lowest State appropriation per student of any four-year public college or university in Pennsylvania. As a result, students and their families, as well as the programs offered by the University, are being hurt."

Penn State has, in effect, only three options as it attempts to deal with its critical financial problems: (1) Increased revenue from additional State appropriation support; (2) Further internal budget cutbacks; and (3) Another increase in tuition rate that already is the highest of any public land-grant university in the United States.

"We recognize the serious financial problems facing the Commonwealth," Dr. Oswald continued. "Difficult priority decisions must be made. Holding Penn State's appropriation at the same level for three consecutive years is not only harmful to the University and to those it serves, but it fails to protect the long-term investment of the Commonwealth. Higher education must remain a high priority. Other states continue to recognize this priority, despite the fact that they face many of the same economic problems."

Dr. Oswald justified the need for the Penn State appropriation request of \$125,907,000 for 1978-79. Gov. Milton J. Shapp, in his budget message on Feb. 7, recommended a State appropriation of \$106,759,000, the same amount as was appropriated for the current year and also for the 1976-77 fiscal year.

Dr. Oswald also expressed hope that considering priorities for next year the legislators would reorganize the recommendations in the Governor's budget so that higher education would receive at least the 7.2 percent increase that the Governor recommended as an average for other State operations.

WPSX Highlights

F. W. Murnau's classic film *Nosferatu*, based on Bram Stoker's book *Dracula*, will be presented Sunday, March 19, at 8 p.m. The 1922 silent picture moves the original vampire story to Germany and changes the time to the 1830s.

Turnabout offers some advice on surviving your job Monday, March 20, at 8:30 p.m. In addition to outlining the warning signs of stress on the job and identifying the ten most stressful jobs, the program also looks at the day-to-day routine of the air traffic controller, the waitress, and some factory workers.

Louis Winkler, Penn State astronomer, discusses actual sightings of unidentified flying objects that have not been explained on Tuesday, March 21, at 7:30 p.m. on **Talkabout**. In another portion of the program, J. Allen Hynek, director of the Center for UFO Studies in Evanston, Ill., discusses his research into "close encounters."

In a live, international satellite broadcast, **Terrorism: The World at Bay**, government leaders, psychologists, political scientists, and journalists from key nations assess the continuing threat of terrorism. The two-hour special can be seen Tuesday, March 21, at 9 p.m.

Work being done in artificial intelligence, a branch of computer science, has shown that some day — perhaps within the next hundred years — machines may outpace their human creators. Nova investigates the future of the "mind machines" Wednesday, March 22, at 8 p.m. Among those featured is science fiction writer Arthur C. Clarke, author of 2001: A Space Odyssey.

In 1976, Cuban athletes at the Montreal Olympics held an unofficial eighth place at the medal tables. British sportscaster Ron Pickering looks at Cuba's national sports program on Thursday, March 23, at 9 p.m. on **World**.

Copyright

(Continued from page 7)

Reserve Lists: Guidelines for Faculty. The number of articles should be kept at a minimum.

C. Entire Books: The University Libraries will not copy an entire book if copyright ownership is in doubt. In such cases, it is the responsibility of the requester to ask the U.S. Copyright Office to conduct a search of the title. Individuals are required to present documentary evidence that doubtful materials are not copyrighted when asking for an entire book to be photocopied.

D. Portions of Books: These may be copied for individual use if the amount to be copied is not "substantial." Since there is no authoritative definition of "substantial," appropriate librarians are responsible for deciding whether copying can or cannot be permitted.

E. Single Articles: Single articles from journals required for use of an individual will be copied or borrowed in photocopy form as was the practice in the past. Copyright warning notices have been included on appropriate forms and posted in areas throughout the University Libraries where photocopying is performed. There may be problems in acquiring articles through Interlibrary Loan if it appears that articles or copies of articles from any specific journal are requested so frequently that the need for a subscription is indicated. In this context, it is necessary to realize that the University Libraries at University Park and the Commonwealth Campuses represent one borrowing entity and that all requests for photocopies of a single journal article are cumulative.

Summary: The University Libraries will strive to be fair to the University Community and will continue to provide and obtain photocopies whenever such practice appears allowable. The University Libraries, however, reserve the right to refuse to photocopy any material if such action would appear to constitute an infringement of copyright under the law. A copy of the law (Title 17 United States Code) is available for use in the Document Section of the University Libraries. Neither the Library staff nor the Copyright Office is qualified to advise on definitive interpretations of the law. Questions or serious problems should be referred initially to Dean Ness.

Funding Sources

For further information,
call 865-1372

0305-10 PENNTAP has issued a request for proposals for the 1978-79 program year which begins July 1. Priority has been given to the following assistance in handling toxic substances, application of polio technology, energy conservation assistance, solid waste technology, and application of cold bottom and flyash. Mandatory 50/50 matching is no longer in force. Priority will be given to sequential proposals to augment PENNTAP funding. The proposal deadline is March 24. Contact George Speerly Jr. for details at 501 Keller, 865-0453 (Ref. F.B.F. Memo 2/9/78).

0305-21 The National Science Foundation plans to expand its support of University Industry Cooperative Research aimed at both basic and applied investigations. These cooperative projects will be encouraged throughout NSF's programs. Jointly prepared proposals with competitive proposals, jointly prepared proposals with NSF programs. Jointly prepared proposals will be given priority (Ref. NSF IRN-5).

0305-31 The Ford Foundation and the Rockefeller Foundation jointly announce a **Research Program on Population and Development Policy** with a July 1 deadline. In its eighth year, the program is aimed at closing the gap between research and policy planning. Research topics should be relevant to current population and development policy issues in the proposed country of study. The program is open to researchers at various points in their careers (Ref. FR announcement).

0305-41 The HEW National Institute of Education has announced "proposed rules" for an **Experimental Program for Opportunities in Advanced Study and Research in Education**. All grants are to be made to institutions. There are two types of projects: institutional grants for research, advanced study, and special projects for workshops, seminars, short courses, and short-term residencies for minority persons. Comments must be received by March 30 (Ref. 43FR623-38, 327878).

Meat sales begin March 24

Retail sales will resume at the Meats Lab Friday, March 24. The store carries all the retail cuts of beef, pork and lamb, butchered by students in animal industry classes. Hours are from 1:30 to 4 p.m., and the store is open each Friday during the academic term.

Pittsburgh Press applauds Choirs

For those who missed it, we reprint part of an article by Pittsburgh Press Music Editor Carl Apone, which was published in that paper Sunday, Feb. 12. It was written in connection with the appearance of the University Choirs at Heinz Hall, where they performed with the Pittsburgh Symphony Orchestra, Andre Previn conducting, in *Belshazzar's Feast*.

"For many Pittsburghers, Raymond Brown — not Joe Paterno — is the finest coach at Penn State.

"Audiences at Syra Mosque and Heinz Hall consider Brown as No. 1 because of the outstanding performances of his Penn State University Choirs. They have taken part in some of the most memorable Pittsburgh Symphony Concerts in recent years.

"These include a towering performance of Bruckner's *Te Deum* in 1969 with William Steinberg conducting and an electrifying Verdi's *Requiem* in 1975 with James Levine.

"Steinberg called the Penn Staters 'the finest I have ever conducted.' Previn said, 'The choir is sensational — a knockout, I adore working with them.' Levine, now music director of the Metropolitan Opera, rated them 'the best trained choir I have ever conducted.'"

And in his actual review of the performance, Apone added: "The contribution of this superbly trained choir last night should not be underestimated. They were a significant factor in this stirring performance. What a capacity for hurling thunderbolts. And on the other side, how expertly they mold soft phrases, express reverence and awe."

Staff Vacancies

In accordance with the University's guidelines of employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promoting may apply by calling the Employment Division, 865-1287, University, 475-1287. Applications for these staff vacancies will be received until 5 p.m., Mar. 21. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT DIRECTOR (DEVELOPMENTAL PROGRAMS), STUDENT AFFAIRS — University Park. Responsible to the Director of Residential Life Programs for the overall administration and coordination of the Developmental Programs Division of Residential Life Programs. A master's degree in student personnel services or equivalent plus two to four years of directly related experience is required.

STAFF DEVELOPMENT INSTRUCTOR, COLLEGE OF MEDICINE — Hershey. Responsible to the Service Program Coordinator for planning and teaching various nursing service educational programs. Strive to increase the level of knowledge among professional staff through various programs of orientation, skill training, continuing education, and leadership training. Bachelor's degree with 1-2 years of directly related hospital nursing experience, preferably with 1 year as an instructor or diploma graduate with 2-4 years of directly related hospital nursing experience with a minimum of 2 years as an instructor preferred.

ACCOUNTANT, UNIVERSITY ARTS SERVICES — University Park. Responsible to the Manager, Eisenhower Auditorium, and Financial Officer of University Arts Services for general accounting administration of Eisenhower Auditorium, Schwab Auditorium, Recreation Hall, and used for other events. Outlets include responsibility for auditorium budgets, ticket accountability, billing auditoriums or events, ticket orders, financial reports, wage payments, petty cash fund and daily accounting operations. Bachelor's degree in business administration or equivalent and one to two years' directly related experience.

JANITOR FOREMAN — Behrend College. Responsible to the Supervisor of Maintenance and Operations for the supervision and coordination of all janitorial and custodial employees in performing required duties to meet University standards. High school education or equivalent, demonstrated competency in janitorial field, two to four years of experience in janitorial or housekeeping work. Supervisory experience highly desirable.

Penn State Intercom

President appoints awards committee

President Oswald has appointed a general committee chaired by Richard E. Grubb to coordinate the solicitation of nominations for three all-University awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, and the Barash Award for Human Service.

As in previous years, three subcommittees will screen nominations and develop recommendations for the respective awards. Members of the Wilkinson Award Subcommittee are Doris M. Seward, chairperson, Richard E. Grubb, and Harry D. Zook. Members of the Donkin Award Subcommittee are Ray T. Fortunato, chairperson, Stuart Forth, and Philip A. Klein. Serving on the Barash Award Subcommittee are Della Durant, chairperson, Sidney Friedman, Jay Claster, Robert Hackel, Charmaine Kowalski, and Henry L. Yeagley, Jr.

Nominations for the 1978 awards are encouraged from either organizations or individuals in both the University and community, and are to be sent to Richard E. Grubb, 203-C Old Main no later than April 10. The supporting information which accompanies nominations should be as brief as possible and must emphasize those qualifications and activities relevant to the particular award for which the individual is being nominated.

A brief description of the qualifications for each award follows.

The McKay Donkin Award
The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend and a certificate, is presented to the full time member of the faculty or staff or the retiree who has contributed most to the "economic, physical, mental, or social welfare of the faculty" of the University.

Eight faculty members to serve on Evan Pugh Selection Committee

Eight faculty members appointed by President Oswald will serve as members of the Selection Committee for Evan Pugh Professorships. They are Dr. Stuart Patton, professor of agriculture, Dr. Vernon V. Aspaturian, professor of political science, and Dr. Howard E. Morgan, professor and chairman of the College of Medicine, all current Evan Pugh Professors; Dr. Frank Danchile, professor of geochemistry, Dr. George L. Mauner, professor of art history, and Dr. Helen A. Guthrie, professor of nutrition, who were nominated by the Senate Committee on Research; and Dr. Raymond G. Ayoub, professor of mathematics, and Dr. David B. Geselowitz, professor and head of bioengineering, who were recommended by the Graduate Council. Dr. Patton is serving as chairman of the committee.

Evan Pugh Professors are appointed by the President on the recommendation of the selection committee. In addition to Drs. Patton, Aspaturian, and Morgan,



Eight a.m.

The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties. Previous recipients are William G. Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Wettstone, Kenneth L. Holderman, Patricia Farrell, Lawrence Perez, and Michael R. Lynch.

The John E. Wilkinson Award for Administrative Excellence
The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of \$500, is made annually to a

(Continued on page 2)

Faculty Senate recommends tenure policy revisions

The University Faculty Senate voted at its March meeting to recommend to President Oswald that sixth-year faculty members being denied tenure be told why the negative decision was made, if they so request.

The action was taken during consideration of seven proposals submitted by the Faculty Affairs Committee and its Subcommittee on Rank and Tenure. All are in the form of recommendations to the president, and all deal with PS-23, the promotion and tenure policy.

In addition to the decision on notification of faculty members, the Senate voted to recommend that a paragraph be added to the General Criteria section of PS-23, stating that promotion and tenure are separate decisions, with promotion being based on recognized performance and tenure additionally considering long-run potential.

The Senate also voted to recommend that:

— A paragraph be added on the frequency of reviews, stating that tenure reviews will be conducted in the second year and no less often than biennially thereafter. When a faculty member receives a negative fourth-year review but no notice of termination, a special fifth-year tenure review may be requested, and in every case, there will be a sixth-year review.

— An addition be made to the section on academic appointments in the provisional period stating that, in the sixth-year reviews, department heads, at their discretion, may inform faculty members informally of the departmental recommendations during the course of the

sixth-year review. They would emphasize that no decisions reached are either final or official until the review process has been completed.

— Add to the section on provisional or pre-tenure period a paragraph stating that decisions to promote should be based on performance and scholarly achievement, rather than on time in rank. It would also state that, although the provisional appointment period is seven years, up to three years of service at another university could be granted.

The Senate returned to committee a proposal dealing with relationships among tenure review committees at the departmental, college, and university levels.

Provost Edward D. Eddy spoke against the proposal to cite reasons for negative sixth-year tenure decisions, calling it "over-regulation of what should be an individualized and human process." If periodic tenure reviews made before the sixth year included the kind of open and courageous discussion they should, Dr. Eddy said, there would be no question about the sixth year decision. He also noted that at the University of Wisconsin, which does cite reasons for final tenure denials, most of the reasons given boil down to "You didn't measure up."

"I hope we can be more honest than that, but do it before the sixth year," Dr. Eddy said.

Senator Irvin Feller, director of the Institute for Research on Human Resources, disagreed, calling the proposal a "modest effort to provide a minimum of information" to faculty members. Dr. Feller said that, currently, it is possible for a faculty member to have favorable tenure

(Continued on page 2)

Dr. Robert O. Blanchard named School of Journalism director

Dr. Robert O. Blanchard, dean and professor of the School of Communication at The American University, Washington, D.C., has been named director and professor of the University's School of Journalism, effective July 1.

He will succeed Dr. Arthur M. Barnes, who has held the position since 1969 and who will continue with the School of Journalism, engaged in instruction and research.

In announcing the appointment Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, said Dr. Blanchard has had broad experience not only in the academic field but also with newspapers and other areas of communications.

Dr. Blanchard has been at The American University since 1965, serving initially as assistant professor in the Department of Journalism, Public Relations, and Broadcasting, later as chairman of the Department of Communication, and finally as dean of the School of Communication. In 1974-75, he was president of the American Society of Journalism School Administrators.

At The American University, he was founder and chairman of the Faculty

Forum and the Urban Communication Workshop, and director of the Urban Journalism Project in District of Columbia City. He was president of the local chapter of the American Assn. of University Professors.

Prior to his appointment at The American University, Dr. Blanchard served as assistant to the dean of the Maxwell School of Citizenship and Public Affairs at Syracuse University, where he also had served two years as a teaching assistant.

Dr. Blanchard attended the University of Wyoming and completed work leading to his B.S. and M.S. in journalism at Northwestern University. His Ph.D. was conferred by Syracuse University.

Dr. Blanchard's journalistic experience has included positions with the Salt Lake City, Utah, Tribune; Helena, Mont., Independent-Record; Cheyenne, Wyo., State Tribune; and the Denver bureau of the Associated Press. He was a freelance correspondent for the Christian Science Monitor. He has been a staff member of the Office of Senator Lee Metcalf, of Montana, and a Congressional Fellow of the American Political Science Assn.

University begins new budget presentation

Editor's note: This is the first of a five-part series of excerpts from Penn State's 1978-79 Budget Presentation booklet, prepared for the state Appropriations Committee. President Oswald appeared before the House of Representatives Committee on March 10 and will appear before the Senate Committee on March 31.

INTRODUCTION

We come before the General Assembly of the Commonwealth in the midst of the most serious financial crisis in Penn State's recent history. I will not recount the traumatic events of the State budget struggle of last summer and fall, except to report that as of this writing in March, 1978, Penn State continues to carry a debt of \$47 million, resulting from the delay in payment of the 1977-78 State appropriation on a regular monthly basis. The University faces an estimated \$51 million in interest charges on these borrowed funds, an expense which represents a probable operating deficit in 1977-78. We have made cutbacks and internal reallocations of funds from academic and administrative budgets totaling over \$5.4 million in this year alone. This has placed a critical strain on Penn State's ability to continue to provide the quality programs and services to which the citizens of the Commonwealth are entitled. Moreover, for the first time in Penn State's history, we have had to raise tuition two times in one academic year, making Penn State's new tuition rate the highest of any public Land-Grant university in the nation. We have reached the point where an increasing number of Pennsylvania's young people cannot afford to attend their state university.

The Legislature attempted to recognize the need for additional funds for Penn State when it passed an appropriation bill (House Bill 1252) in December, 1977, containing an increase of two percent, or \$2,135,000. This was done in spite of one of the most difficult budget struggles in Pennsylvania history. As you are now aware, the Governor vetoed this \$2.1 million dollar legislative appropriation increase, thus making our fiscal predicament even more serious and necessitating an unprecedented second round of tuition increases and further serious program cuts.

Following two years at the same appropriation level, the Governor's budget for 1978-79 recommends continuation of that level for a third straight year. As we speak of the Governor's proposed budget we are, of course, aware of Pennsylvania's overall situation and fiscal limitations, and we are not proposing any increase in the overall magnitude of the State budget. Our basic and over-riding position throughout this document relates to the need for reassessing the priorities and for reasonable equity within this budget.

The recommended General Fund Budget for the State contains a 7.2 percent increase for the operations of State government, with none of this increase devoted to our colleges and universities. During the present year, State agencies and State-owned colleges did receive increases in their budgets. Penn State received no such increase. The cumulative two-year increase in the General Fund Budget over 1976-77 based on the Governor's budget recommendation is 15.0 percent — yet Penn State would receive absolutely none of this increase.

We believe that the current budget recommendations providing for no increase in funding for Penn State next year are tragically short-sighted. What they do, in effect, is to continue to place the burden of inflation almost entirely on the student and family. As the Commonwealth presses the state university beyond the reach of hundreds of talented youth, it penalizes itself. The present and future economy of Pennsylvania is dependent upon educated people in all walks of life.

At a time when neighboring states and the Federal government are providing substantial increases for higher education, the situation in Pennsylvania creates the mistaken public image (particularly after the passage of last year that the Commonwealth is not interested in the future of its colleges and universities and that it places a low priority on the highly trained individuals and expertise that Penn State and other institutions of higher education provide for our state. We believe that the people of this state and those who represent them in the General Assembly want to keep Penn State and other colleges and universities strong, and to keep our priorities as a Commonwealth in

balance. Every citizen recognizes the serious budget problems the Commonwealth currently faces. We are also confident, however, that the Legislature is concerned about priorities and is prepared to work toward equitable funding for the State's colleges and universities.

MEASURES TAKEN TO DEAL WITH THE FINANCIAL PROBLEM

The University has in effect only three options in dealing with its critical financial problems: 1) increased revenue through additional State support; 2) Budget cutbacks and internal reallocations; and 3) Increased revenue through tuition increases. Lacking adequate State support, the University has made extensive internal cuts in departmental budgets in order to limit tuition increases as much as possible while at the same time attempting to maintain Penn State's quality programs and services.

Increased teaching loads have been absorbed by the faculty at the same time the number of faculty members has actually decreased. Increased administrative workloads, caused in part by growing Federal and State Government regulations and reporting requirements, have for the most part been absorbed. There were 145 fewer academic personnel on Penn State's payroll in January, 1978, than there were in January, 1977.

The actual number of University employees and budget provisions in many areas have been reduced so that resources could be shifted to meet mandated cost increases and to areas of even greater need. Included are the increased costs of fuel, utilities, and other supplies and services, growing social security and retirement costs, and essential salary and wage adjustments. For example, the amount Penn State has been required to pay the State Employees Retirement System (SERS) has more than quadrupled since 1970-71. In that year, retirement costs were \$4.6 million. In 1977-78, we estimate that we will be required to pay nearly \$21 million in retirement. While the rate of increases in State Retirement costs have tapered off due to a slight reduction in the employer's contribution rate, we are now faced with significant increases in Social Security costs.

Penn State has worked to gain the fullest possible measure from every available

resource, and the history of budget cutbacks and reallocations demonstrates that commitment. In six of the last seven years, Penn State has pulled back \$16.5 million from operating budgets for allocation to areas of even greater need.

Faced with a bleak financial outlook for the current year, a hiring freeze was placed on all classes of employees in April, 1977. As a result of this hiring freeze, 121 positions in all divisions of the University were collapsed. Internal budget reductions and reallocations of \$5.4 million were made — by far the largest single-year cutback in Penn State's history.

This internal recycling of \$5.4 million in 1977-78 — necessitated by the absence of an appropriation increase — when added on top of \$11.1 million in similar efforts over the previous six years, has strained the University's flexibility for this kind of internal management. In January and February 1978, extensive planning and budgeting reviews were conducted with each administrative division of the University. The findings of these reviews show that the budget cutbacks are having severe programmatic effects. In some instances, an erosion of the quality of the University's academic programs is becoming evident. Services to students and the general public have been diminished. It is becoming increasingly difficult to attract and retain outstanding faculty — not only because recent salary adjustments have not kept pace with inflation, but also because in many cases the University is no longer able to provide appropriate levels of supporting services, including modern laboratory equipment, current library materials, and necessary supplies.

For several years, Penn State has taken many concrete measures to achieve operating economies and to minimize costs. While the University continues to review and adjust internal operating budgets, we have reached the limits of this approach. Increased State support is urgently needed to prevent further program erosion and service cutbacks.

Copies of Penn State's Budget Presentation booklet may be obtained by contacting Arthur Ciervo, Office of Public Information and Relations, 312 Old Main (phone 865-7517).

Senate

(Continued from page 1)

reviews at the departmental level and still be denied tenure at higher levels, with no reasons given.

Penn State has not given reasons for six-year tenure denial in the past, primarily for legal reasons. It is believed that such information would become fuel for legal disputes.

Dr. Philip A. Klein, professor of economics, represented the Faculty Affairs Committee in presenting the legislative proposals. He said the main interests of the committee and its subcommittee in preparing the legislation were to provide for "procedural fairness" and to include a process of accountability for decisions made.

One recurring theme in the discussion of promotion and tenure was that the two should be maintained as separate decisions. Several senators said that PS-23, as written, is ambiguous on that point in a number of places.

In other action, the Senate approved a policy on the status of students dropped from degree candidacy for failing to demonstrate proficiency in basic skills. It was prepared by the Committee on Admissions, Records, and Scheduling.

In general, the policy states that students in baccalaureate or associate degree programs must demonstrate basic writing and arithmetic skills and that those who fail to do so must demonstrate proficiency within three terms after admission to degree candidacy. Students who fail to do that will be dropped as degree candidates, but may continue as nondegree students. They can be reinstated to degree status as soon as they demonstrate the required proficiency. The complete text of the policy will be available in the Senate Record.

Senator Ernest Bergman, professor of plant nutrition, spoke briefly, noting that he has received several complaints from students on faculty violations of the University examination policies. Dr. Bergman urged the senators to remind other faculty members to observe Senate Rules 44-10, 44-20, and 45-60, which outline the examination policies.

The Senate also received an informational report on the new copyright law from the Committee on Libraries, and a summary of admissions data from the Committee on Admissions, Records, and Scheduling.

President appoints

(Continued from page 1)

member of the University's staff whose performance methods and achievements exemplify administrative excellence. Previous recipients are Paul M. Altshouse, John B. Pezzoni, Kenneth L. Holderman, Eleanor Ferguson, Harry D. Zook, Russell E. Larson, and Wayne D. Lammie.

The Barash Award for Human Service. The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. It is an annual award to a full time member of the faculty, staff, or student body who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans.

Any full time person at the University Park Campus who meets the criteria for the award as previously described is eligible for consideration. This award carries a stipend of \$1,000. Previous recipients are Robert Welsh, Ronald Ross, and Robert H. McCormick.

Tapes given to libraries

A series of oral history tapes, concentrating on life in the State College area before 1920, has been presented to the University Libraries.

The tapes are recordings of interviews conducted by former State College Mayor Jo Hays and Dr. C. O. Williams, dean emeritus of admissions at Penn State. More than 30 interviews have been conducted since the project began in 1970, and there are still one or two to be completed.

The oral history project was supported by the Friends of Schlow Memorial Library and has long been a special interest of that group. In the early years, volunteers typed transcripts of the tapes. More recently, staff of Town & Gown, a monthly magazine, offered to prepare the transcripts in return for the privilege of publishing shortened versions of the conversations.

The first person to be interviewed was Helen Atherton Govier, the daughter of Penn State President George Atherton. Mrs. Govier and her family arrived in State College in 1882.

The interviews include a mix of town and University history, and make it possible to locate businesses, streets, and homes that no longer exist. One of the common themes is the rapid growth of both the town and the University.

In addition to the tapes and transcripts that will be available at Pattee Library, there will be a set at Schlow Memorial Library. In the future, Mr. Hays said, there will also be a set at Centre County Library in Bellefonte.

Those interviewed for the tapes that are now available at Pattee Library are: Mr. and Mrs. William G. Edwards, William H. Murtorf, Lynn Platt, Mrs. Govier, Dewey Krumine, Mr. and Mrs. Harris Olewine,

Mrs. Marion Meyer, and Fred Hartswock. Also, Frank Shutt, Mr. and Mrs. David C. Duncan, Mrs. Helen Hill, Julia Brill, Wilbur Hoy, Helen Bortoff, Mrs. John Light, Ruth Graham, and Mrs. Maude Hussey.

Deadline announced for award nominations

March 30 is the deadline for nominations for the Award for Outstanding Contribution to Pennsylvania State University Libraries. The award, consisting of a cash stipend and a Nittany Lion statue, is presented annually to a University Libraries staff member, a benefactor of the University Libraries, or a member of the University teaching faculty, administrative or research staff. Nomination forms may be obtained from John R. Kaiser, Room E309A Pattee Library, telephone 865-1858.

INTERCOM is an internal communications medium published weekly during the four terms of the class sessions of the academic community of The Pennsylvania State University.

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From the Trustee Docket

March 18, 1978, meeting

Room and board rates are approved

The increase in room and board charges for next fall at the University will be 3.8 per cent.

President Oswald told the trustees that he was very pleased the University was able to hold the recommended increase below the general inflation rate. The trustees, in approving the increase, noted that residence hall operations at the University must be self-sustaining, with no tuition or State funds available for this purpose. The residence halls have accommodations for more than 15,400 students throughout the Commonwealth.

The increase approved was necessary to enable the University to meet rising costs for labor, supplies, and food. The action changes the price of a double room in campus residence halls from \$503 to \$522 per term, an increase of \$19. The rate for an academic year of three terms will be \$1,566. Single room rates will change from \$543 to \$562 per term.

The \$19 increase, it was explained, represents an increase of \$10 per term for room rental, \$7 for board, and \$2 in the counseling fee which is a part of the overall residence hall costs.

The double-room rate for graduate students increases from \$503 to \$527 for room and board and the single-room rate will be \$567. Rooms for graduate students who do not use campus dining halls will increase from \$227 to \$242 for double rooms and from \$262 to \$282 for single rooms. The room and board rates for graduate students electing to use food coupons will be \$362 for a single room and \$322 for a double room per term.

Rates for Atherton Hall apartments for graduate students at University Park have been increased by \$10 per term, bringing rentals to \$331, \$361, or \$481 per term, depending on the type of facility. Other apartments at University Park, including Eastview Terrace and Graduate Circle, and apartments at Capitol Campus, Middletown, have increased by \$5 per month, so that the new rates will range from \$115 to \$215 per month, again depending on the type of facility.

The last increase in room and board charges at the University was effective last September, and that increase, amounting to 2.4 per cent, also was substantially below the general inflation rate.

Mineral Industries to be Edward Steidle Building

The Mineral Industries Bldg. at the University Park Campus has been named the Edward Steidle Bldg., honoring the memory of the former dean of the School of Mineral Industries, now the College of Earth and Mineral Sciences.

A native of Williamsport, Dean Steidle died at Devon Aug. 6, 1977, at the age of 90. He had retired with emeritus rank in 1953, after 25 years of service.

He joined the Penn State faculty in 1928 as dean of the School of Mines and Metallurgy, and during the next 25 years, provided strong leadership in the development of a program of resident instruction, research, and continuing education that embraced all of the earth sciences. He included such then uncommon disciplines as geochemistry, meteorology, and mineral economics. "A man of vision, great energy, and appreciation of the place of minerals in the life of the modern world," is how Dr. C. L. Hosier, dean of the College of Earth and Mineral Sciences, described him in the preface to a 1966 book, *The Creation of a College*. The book details the growth of the College under Dean Steidle's guidance.

Dean Steidle's accurate foresight with regard to mineral supplies is affirmed by his 1952 book, *Mineral Forecast*, 2000 A.D.

Predicting that America would soon be faced with a demand for oil and natural gas "far in excess of their availability," he wrote that the problem "resolves itself into one of converting coal into liquid and gaseous fuels or of developing new methods of application for coal to meet the requirements of the energy use."

Under his guidance, the first two buildings of the College of Earth and Mineral Sciences — Mineral Industries and Mineral Sciences — were constructed. He saw the undergraduate enrollment grow from 144 to 590, the graduate enrollment from zero to 170, and the staff from 15 to more than 200.

He is credited with inaugurating the program of scholarship aid in the College that is now the largest in any of the University's colleges; with establishing the Earth and Mineral Sciences Library; and with beginning the College's unique collection of art depicting the mineral industries, and furthering the growth of the Earth and Mineral Sciences Museum.

Honored in 1967 as a Distinguished Alumnus of Penn State, Dean Steidle received a bachelor of science degree in 1911 and an Engineer of Mines degree in 1914, both from Penn State. In 1943, he received the honorary doctor in science degree from Alfred University.

He worked for the U.S. Bureau of Standards, served in World War I (where he was gassed, lost an eye, and received several citations), and was a member of the Carnegie Institute of Technology faculty before coming to Penn State. After his retirement in 1953, Dean Steidle helped the Turkish government reorganize the Turkish Mining Institute and then served for 14 years as chairman of the Federal Coal Mine Safety Board of Review. President Lyndon B. Johnson in 1967 commended him for his outstanding service.

The Mineral Industries Bldg., was constructed in 1929-30. Originally, it housed the entire College which now occupies an additional three buildings —

Mineral Sciences Bldg., completed in 1948; Deike Bldg., in 1966; and the Eric A. Walker Bldg., in 1977.

Reorganization approved in College of Agriculture

Separate department status was approved for the departments of dairy and animal science, entomology, poultry science, and veterinary science. The action was taken by the board in approving an administrative reorganization plan of the College of Agriculture which had been recommended by the departmental faculty involved and the College.

The reorganization eliminates the Division of Animal Science and Industry, which was a coordinating administrative unit for the four departments.

"The change," explains Dr. James M. Beattie, dean of the College of Agriculture, "will enable the College to serve more effectively its teaching, research, and public service obligations in the animal sciences. It does not eliminate any of the programs of the four departments."

Dean Beattie notes, too, that only one major, the new major of animal bioscience, was offered by the Division and this will be continued with academic responsibility remaining with the faculty identified with the major. Administrative responsibility will be with the heads of the departments of dairy and animal science, poultry science, and veterinary science.

Funding request support was major alumni effort

Support of the University's appropriation request from the State Legislature was cited as a major effort of the University's Alumni Association during 1977.

In a report to the trustees, Edward R. Book, of Hershey, Association president, said more than 20,000 members of the Alumni Association living in Pennsylvania were asked in May to express the critical need for adequate funding from the State Legislature. In October all 110,000 alumni in Pennsylvania were urged to contact their legislators in support of Penn State's appropriation request.

"In both instances," Mr. Book said, "hundreds of letters were sent to legislators by alumni and the responses were forwarded to us."

He pointed out that the Association mobilized key alumni in various areas of the State to meet with President Oswald and the presidents of Pitt, Temple and Penn to discuss ways of impressing upon the Legislators the vital needs of the state-related and state-aided institutions.

The Association, along with alumni associations at other universities, paid for the cost of advertising the "Declaration of Common Concern for our Colleges and Universities," signed by 200 prominent Pennsylvanians, in major newspapers throughout the State.

Mr. Book, who also serves as a member of the Board of Trustees, reported that the Association had an increase of almost 2,500 Life Members during the past year, bringing the Life Member total to 24,790 or 65 per cent of the total of 38,140 paid members.

Other activities cited in his report include:

- A pilot program was undertaken by the Penn State Club of Northern New Jersey in cooperation with the University's Office of Secondary School Relations to identify and recruit outstanding students. Plans are underway to expand the recruitment program to other clubs.

- An Alumni Resource Talent Bank was initiated through the University's Career Development and Placement Center. Under this program, students with questions about careers or specific job opportunities may contact alumni who have volunteered to provide information and guidance.

Land sale authorized

The trustees authorized the sale of a small parcel of land at the Shenango Valley Campus in Sharon to Medal Distributing Co., of Sharon.

In recommending approval of the transaction, President Oswald told the trustees that satisfactory arrangements will be provided for the relocation of University facilities and that the long-range interests of the University are adequately protected.

Dr. Harold R. Sargent, director of the Campus, says the land sale was a response by the University to Sharon's efforts to retain business in the city. He said that ten acres remain for future Campus needs and that assistance of the city would be expected should additional land at some later date be required.

In authorizing the sale, the trustees listed a price of not less than 41 cents per square foot. The strip of land totals about 49,490 square feet.

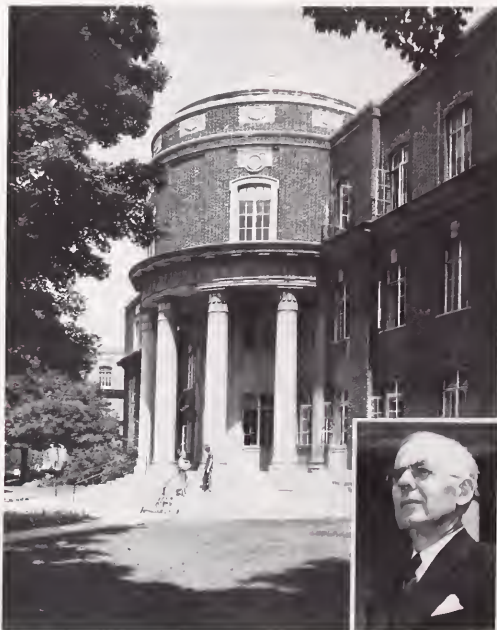
The sale was requested by the Sharon City Council and the Shenango Valley Campus Advisory Board.

Dr. Ikenberry is senior VP for administration

The title of the position held by Dr. Stanley O. Ikenberry has been changed from senior vice-president for University development and relations to senior vice-president for administration. The change, effective immediately, was approved by the trustees on the recommendation of President Oswald.

Dr. Oswald explained that the change was recommended to reflect more accurately the authority and breadth of responsibilities carried by Dr. Ikenberry, who also serves as professor of higher education at the University.

As the third ranking senior administrative officer of the University, Dr. Ikenberry is a member of the President's Administrative Policy Council. Although he carries principal responsibility for interpreting the University to the public, including information programs, relationships with Penn State alumni, and the development of private gift and endowment support,



Mineral Industries Bldg. has been named for the late Dr. Edward Steidle (inset).

the scope of his responsibilities also extends to the internal operations of the institution.

He serves as the University's senior planning officer, concerned with long-range planning, and along with Provost Edward D. Eddy, works closely with the University Faculty Senate on policy issues.

Dr. Ikenberry carries principal responsibility for coordination of relationships between Penn State and the University of Pittsburgh, Temple University, and other educational institutions. Related to this effort is responsibility for development of effective working relationships with the Council of Higher Education of the State Board of Education and the Pennsylvania Department of Education.

Various administrative services are within his general area of responsibility. Administrative data processing systems, as well as the University publications, central administrative records, and supportive services for the University's Board of Trustees are under the direction of the vice president for administrative services. Dr. Richard E. Grubb, who in turn reports to Dr. Ikenberry.

Dr. Ikenberry came to Penn State from West Virginia University in 1969 and has served in his present position since 1971.

Trust Fund established

To encourage the giving of private gifts, the trustees approved establishment of a Pooled Income Trust Fund.

The Pooled Income Trust Fund, according to Robert A. Patterson, senior

vice-president for finance and operations, is widely utilized by educational and other charitable organizations to encourage small private gifts.

He explained that the procedure is for a donor to irrevocably transfer assets to a qualified charity's separately maintained pooled income fund where it is invested, together with similar transfers of others.

The donor, or other income beneficiary of the pooled income funds, receives his share of the fund's earnings each year. On the income beneficiary's death, his or her payments terminate and the charity removes the true value of the donor's gift from the pooled income fund and uses it for charitable purposes. Substantial income and estate tax charitable deductions are generated by transfer to pooled income funds.

Hershey parking expanded

Construction of an additional 531 parking spaces at the Milton S. Hershey Medical Center was approved.

The trustees authorized spending up to \$385,000 to expand the parking lot and provide landscaping, lighting, and walks to the College of Medicine and the hospital entrances. No state or tuition funds will be used for the work.

The project is subject to approval by the area health systems agency, Health Resources Planning and Development, Inc.

A continuing analysis of the parking situation over the past year has shown that parking needs have exceeded available space by 250 cars a day. If approved, the project will begin in late spring and take 60 days to complete.

March 28. That meeting will be held at the Faculty Club. Membership is not required for attendance.

Mrs. Fawcett's visit to the University is sponsored by the Institute for the Arts and Humanistic Studies. During her stay she will also be lecturing in the "Women and Creativity" course being offered this term as Liberal Arts 198.

Medieval crime examined

Crime and punishment in the Middle Ages, and their influence upon the shaping of modern court procedure, are the subject of an unusual course being offered for the first and only time this spring. Called *Crime, Courts, and Society in the Middle Ages*, it is sponsored by the Institute for the Arts and Humanistic Studies.

According to Dr. James Ross Sweeney, associate professor of history and the principle instructor, the course (History 198A/Medieval Studies 198) was designed on the theory that one of the best ways to study a society is to examine its methods of trying and punishing wrongdoers.

Several distinguished scholars, both from Penn State and from other universities, will lecture during the term. Among them will be internationally recognized medieval legal historian Raoul C. van Caenegem, of the Rijksuniversiteit in Gent, Belgium, who will visit the University Park Campus in May. Dr. Theodore M. Andersson, professor of German Studies at Stanford, will speak on "Crime in the old Norse Sagas," at 11:10 a.m. in Room 111 Boucke on Monday, March 27.

Anthropological films to be shown tonight

Two feature-length anthropological films will be shown at 7 p.m. this evening (March 23), in Room 402 Keller Bldg. There is no admission charge, and the public is invited.

The films are *Ramparts of Clay*, dealing with development of a village in the Algerian-Tunisian Maghreb, and *Wedding of Palo*, Knud Rasmussen's 1937 classic on

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (ext. 475-1387). Applications for these staff vacancies will be received until 5 p.m., Mar. 30. **DD NDT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMINISTRATIVE AIDE, SCIENCE — University Park. Responsible to the Dean and Assistant Head of the Department. Duties include supervision of departmental secretaries, working with budgets, extensive interactions with faculty, staff and graduate students, responsibility for the maintenance of confidential personal files, and a wide variety of other responsibilities. Position requires a person who can operate well under frequent pressure. High school education and two years of business school or equivalent, plus 2 to 4 years of directly related experience.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES — MCKEESPORT CAMPUS. Responsi-

ble to Manager, Housing and Food Services — Commonwealth Campuses for assisting in supervising the overall operation of the Housing and Food Service units. Associate degree in Institutional Management or equivalent, plus two years' directly related experience in food supervision.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — BERKS CAMPUS. Responsible for the implementation and coordination of an ongoing student activities program, including planning of cultural and social activities, assisting student organizations to plan and implement activities and projects, scheduling of student activities and the use of facilities by student organizations. Responsible for master schedule and recruiting interviews; provide student information to recruiters; maintain confidential placement files; maintain follow-up records and conduct job placement service. Coordinate the part-time and summer student employment on and off campus, including placement of students under the College Work-Study Program and other campus jobs and referral of students to off-campus employment. Master's Degree in Student Personnel Administration counseling, or related field, plus up to one year directly related experience, or a Bachelor's Degree and equivalent job related effective experience of more than two years.

RESPIRATORY THERAPIST TECHNICIAN II, COLLEGE OF MEDICINE — HERSHEY. Responsible for setting up and adjusting the oxygen, inhalation therapy and ventilation equipment for patients as ordered by the physician. Perform pulmonary tests and calculate results. Assist at cardiopulmonary resuscitations. Measure and administer various drugs in intermittent positive pressure breathing treatment. A high school education plus completion of accredited training program and 1 to 2 years of directly related experience or eligible for certified Respiratory Therapy Technician or equivalent.

the Eastern Greenland Eskimo.

The showings are part of the University's Chautauqua short course on Visual Anthropology: Ethnography Through Film. Karl G. Heider, professor and chairman of the Department of Anthropology at the University of South Carolina, is the course instructor.

Choirs have openings

The University Choirs have openings for tenors and basses to perform Carl Orff's *Carmina Burana* with the Johnstown Symphony Orchestra in Johnstown on April 23 and for the 30th annual Spring Concert with the Penn State Symphony Orchestra on May 13 in Eisenhower Auditorium.

All University students, faculty, and staff are eligible for membership in the choirs.

Under conductors William Steinberg, James Levine, Andre Previn, and Michael Tilson Thomas, the choirs have performed 25 times with the Pittsburgh Symphony Orchestra. Programs have included Bruckner's *Te Deum*, Beethoven's *Ninth Symphony*, Verdi's *Requiem*, Rachmaninoff's *The Bells*, Mahler's *Second Symphony*, and Brahms's *Requiem*.

In February of this year, the choirs presented two performances of Mahler's *Second Symphony*, with Michael Tilson Thomas conducting, during the Pittsburgh Symphony's sixth annual residency at the University Park Campus. The following week, the choirs traveled to Walton for three performances of *Walton's Belshazzar's Feast*, with Andre Previn. One performance was videotaped and will be aired on the *Previn* and *The Pittsburgh* series on Sunday, April 2, over WPXS-TV.

For additional information about auditions for the choirs, visit the choir office at 212 Eisenhower Chapel or call 865-6548.

Students exhibit work

An exhibition of sculpture by University art students will continue at Zoller Gallery through Monday, March 29. The show opened last Sunday.

A number of different techniques are represented, including welding, figure modeling, and casting. All pieces were made in sculpture classes this year by Penn State undergraduate and graduate students.

According to John Cook, professor of art

and head of the sculpture option in the Department of Art, the show contains "some extraordinary works in terms of esthetic penetration and intense commitment from the artist."

Zoller Gallery hours are from 8 a.m. to 5 p.m. weekdays and from noon to 5 p.m. on weekends. There is no admission charge.

Bus tours available

Tours of the University Park Campus on the double decker London bus will be offered weekdays from April 3 through August 25, and then Mondays and Fridays only from next September 1 through November 13. The bus leaves the HUB at 1:30 and 2:30 p.m. for the 30-minute tour.

A trained guide briefs passengers and will answer any questions. Tickets are available at the HUB desk for a donation of 25 cents.

Alumni Fellows named

Six prominent University graduates have been designated 1978 Alumni Fellows.

They will visit the University at various times during April and May to meet both formally and informally with students, faculty and administrators to share their expertise and experiences.

The Fellows and their host Colleges are: — Willard F. Rockwell Jr., of Pittsburgh, chairman of the board and chief executive officer, Rockwell International, Engineering;

— Dr. Louis Rosen, of Los Alamos, N.M., director of the Los Alamos Meson Physics Facility and a participant in the development of the atomic bomb, Science;

— Samuel Gallu, of Solisbury, Pa., theatre and film writer, producer and director, and author of the play, *Give 'Em Hell, Harry!*, Arts and Architecture;

— Dr. Albert Hurwitz, of Newton, Mass., president of the International Society for Education through Art, a UNESCO affiliate and the only international professional association in art, Education;

— James Milholland Jr., of Cleveland, senior vice president for Harcourt, Brace, Jovanovich, Inc., Liberal Arts; and

— Richard Zimmerman, of Hershey, Pa., president of Hershey Foods Corporation, Business Administration.

The Alumni Fellows Program was established at Penn State in 1973. It is sponsored by the Office of the President.

(Continued on page 6)

News in Brief

Armenian dance to be topic

Tom Bozigan, a specialist in dance, will speak at 4 p.m. on Thursday, March 30, in Room 75 Willard Bldg. He will talk about his studies at the Sayat Nova

Choreographic School in Soviet Armenia.

Mr. Bozigan, who has worked with both of the Armenian state ensembles and traveled with the Ethnographic Institute of the University of Erevan, will also talk about his personal experiences while living in Armenia. The presentation will include the showing of a film, and there will be time for questions and answers after the lecture.

Inn offers Easter buffet

The Nuttany Lion Inn is planning a special Easter Buffet from 12:30 to 2:30 p.m. and from 6 to 8 p.m. on Sunday, March 26. The menu features top round of beef, seafood newburg, baked ham with brandy sauce, baked chicken-cao vin, steamed shrimp in the shell, and baked kolbasi and sauerkraut. There will be a wide array of salads, cheeses and desserts, and Chef Richard Jackson is preparing specially decorated centerpieces for the occasion. The dinner is available at regular buffet prices, \$5.95 for adults and \$2.75 for children under 12.

British editor to speak

Jane Fawcett, editor and lecturer and former Secretary of the Victorian Society of England, will be at the University for a residency March 27 and 28. Her visit includes two public talks.

Mrs. Fawcett, who has edited two volumes, *The Future of the Past* and *Seven Victorian Architects*, will speak on "The Philosophy of Restoration: Changing Attitudes 1550-1977" at 4 p.m. Monday, March 27, in room 302 Engineering Unit D. She will also address the Comparative Literature luncheon at noon Tuesday,

University Park Calendar

March 23-April 2

Special Events

Thursday, March 23
Visual Anthropology films, *Ranpans of Clay* and *Wedding of Pafo*, 7 p.m., Room 402 Keller. Free and public.
Experimental Theatre, *The Dybbuk*, 8 p.m., Pavilion Theatre

Friday, March 24
Add deadline.
Sports: men's gymnastics, NCAA Midwest Regionals.
Experimental Theatre, *The Dybbuk*, 8 p.m., Pavilion Theatre.
IAHS Lecture: Kimon Frar, visiting fellow, on "The Electra Legend," 2:20 p.m., The Playhouse.

The Hong Kong Society film, "Meng Lung Sha" (English subtitles), a story about China's south-west province, 7:30 p.m., HUB assembly hall.

Saturday, March 25
Sports: men's volleyball, vs. Ohio State, 1 p.m., Rec. Bldg; men's gymnastics, NCAA Midwest Regionals; men's and women's bowling, vs. Temple; men's tennis, vs. Michigan State, 1 p.m.

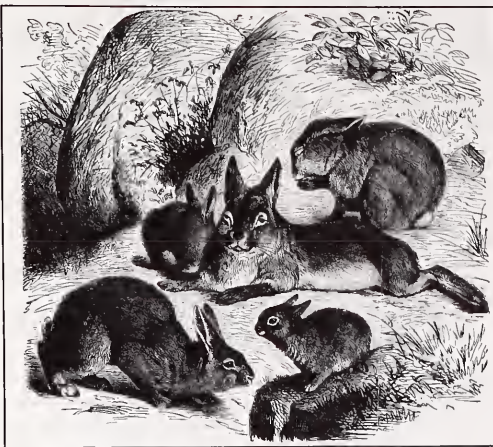
Little People's Players Spring Play, James Thurber, *Many Moans*, 3:30 and 8 p.m., Room 112 Kern. Free admission.
france-cinema, *Truffaut, Wild Child*, 7 and 9 p.m., Room 101 Kern.
Experimental Theatre, *The Dybbuk*, 8 p.m., Pavilion Theatre.

Sunday, March 26
University Chapel service: Easter Concert by All-Faith Choir, Tommie Irwin, director, 11 a.m., Music Bldg, recital hall.
Shaver's Creek Nature Center, Weather Without Instruments, 2-4 p.m., Mineral Industries Camp, Stone Valley.
france-cinema, *Wild Child*, 7 and 9 p.m., Room 112 Kern.

Monday, March 27
Intramural sports: men's graduate student and faculty-staff tennis doubles (single elimination), slow pitch softball (round robin), 5man soccer teams (round robin), entry open.
Entry close, noon, March 30.
STS-Two Cultures Dialogue, "Society's Perceptions of the Energy Problem," Rustum Roy, director, Materials Research Laboratory, will speak, noon, State College Hotel.
Commons Videotape, "The People and Foreign Policy," noon, Kern lobby.

IAHS Illustrated Lecture: Jane Fawcett, architectural historian, on "The Philosophy of Restoration: Changing Attitudes 1550-1977," 4 p.m., Room 302 Engineering Unit D.
Shakespeare film, *A Midsummer Night's Dream* (Rigg/Hall), 6:30 p.m., Room 101 Chambers.
Cinematheque, Stevens, *Shane* (1953), 7 and 9 p.m., HUB assembly hall.
france-cinema, *Wild Child*, 7 and 9 p.m., Room 112 Kern.
Cynthia Schade, flute, 8:30 p.m., Music Bldg, recital hall.

Tuesday, March 28
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Jane Fawcett, architectural his-



torian, on "Queen Victoria's Taste," Shakespeare film, *A Midsummer Night's Dream*, 6:30 p.m., Room 101 Chambers.

Faculty Newcomers Women's Club Fashion Show and Reception, 7:30 p.m., HUB north lounge.
German Department Lecture: Theodore Adorno, Stanford University, on "Niebelungenlied," 7:30 p.m., Room 101 Kern.

Art History Lecture: Lionello Puppi, University of Padua, on "Expiation and Easman 'Charitas' in a 16th Century Paduan Building Corte Lando," 8 p.m., HUB assembly hall.
Comp. Lit. film, *The Legend*, 8 p.m., Room 112 Kern.

Artists Series: Lloyd films, *A Sailor Made Man* and *Grandma's Boy*, 8 p.m., Eisenhower Auditorium.

Wednesday, March 29
Commons Kaleidoscope, "Wines of Germany," noon, Kern lobby.
Commonsplace Theatre, *Harry and Tonto*, 7:30 and 9:30 p.m., Room 112 Kern.
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg, recital hall.

Thursday, March 30
Public Lecture: Tom Bogizan on "Living in Soviet Armenia," 4 p.m., Room 75 Willard

Friday, March 31
Passifail deadline.
Sports: men's tennis, vs. George Washington, 3 p.m.
Shaver's Creek Nature Center, Timberdoodle Walk, 6 p.m., Mineral Industries Camp, Stone Valley.
france-cinema, *Polanski, The Tenant* (in English), 7 and 9 p.m., Room 112 Kern.
A. Dixon Johnson Memorial Lecture in Science Communication: Carl Sagan, Cornell University, on "Public Understanding of Science," 8 p.m., place to be announced.
Charles Noble, piano, 8:30 p.m., Music Bldg, recital hall.

Saturday, April 1

Last date for May graduates to deliver doctoral theses to committees.

Sports: men's volleyball, vs. Princeton, 1 p.m., Rec. Bldg.
france-cinema, *Sunaul, Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.

Sunday, April 2

University Chapel service: Thomas W. Courtney, speaker and author, State College, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Reptiles program, 2 p.m., Mineral Industries Camp, Stone Valley.

Sports: men's lacrosse, vs. Syracuse, 2 p.m.; baseball, vs. Bloomsburg, 3 p.m.
Dorothy Room, piano, 3:30 p.m., Music Bldg, recital hall.
france-cinema, *Polanski, The Tenant* (in English), 7 and 9 p.m., Room 112 Kern.
Artists Series: New York Renaissance Band, (rescheduled), 8:30 p.m., Eisenhower Auditorium.

Seminars

Thursday, March 23
Computer Center, "Graphics," (2 of 4), 7:30 p.m., Room 105 Osmond.

Monday, March 27
Computer Center, "Document Prep./SCRIPT," (3 of 4), 7:30 p.m., Room 201 Bus. Adm. Bldg.

Tuesday, March 28
Applied Research Lab, S.I. Hayek and J.M. Lawther, PSU, on "Effectiveness of Highway Noise Barriers," 10:45 a.m., Walker Conference Room, Applied Science.
Food Science, S. Bromall on "The Use of Naringinase as a Debiting Agent," 11:10 a.m., Room 201 Berland.

Higher Education. Dr. Helen D. Wise, a University trustee, also contributed a chapter.

Other contributors include Thomas F. Green, president of the Philosophy of Education Society; Nathan Glazer and Kenneth Tolleit of the Carnegie Commission; and Lester Thurow, economic adviser to Americans for Democratic Action.

George Mifflin Dallas: Jacksonian Patrician, by John M. Belohlavek, 223 pages, \$12.75.

Both politician and diplomat, George Mifflin Dallas left his name to cities, towns

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Computer Science/Computation Center, C. Wilkins, chemistry, Nebraska University, on "Fourier Transform Mass Spectrometry," 1 p.m., Room 111 Boucke.
Chemical Engineering, M.M. Coleman, polymer science, PSU, on "Fourier Transform Infrared Studies of Polymeric Systems," 3:45 p.m., Room 140 Fenske.
Plant Pathology, Lee Campbell on "Roots: The Origin of Plant Pathology," 3:55 p.m., Room 213 Buckout.

Computation Center, "Graphics," (3 of 4), 7:30 p.m., Room 105 Osmond.

Psychology, Roland Tharp, University of Hawaii, on "Teaching Reading to Hawaiian Children Who are Poor Readers," 8 p.m., Room 112 Chambers.

Wednesday, March 29

Computation Center, "Document Prep./SCRIPT," (4 of 4), 7:30 p.m., Room 201 Bus. Adm. Bldg.

Thursday, March 30

Ceramic Science, Man F. Yan, Bell Labs, on "Sintering and Grain Growth in Ferrites," 11 a.m., Room 301 Mineral Industries.
Chemistry, Perry Frey, Ohio State University, on "Stereochemical Aspects of Enzyme Action," 12:45 p.m., Room 333 Whitmore.
Agronomy, Christopher Daum on "Antagonistic Effects Between Herbicides," 3:55 p.m., Room 111 Tyson.

Pennsylvania Transportation Institute, Rail Transport, Frederick J. Beer, Transportation Systems Center, U.S. Dept. of Transportation, Cambridge, Ma., on "Railway Management and Its Relationship with Government Research," 3:55 p.m., Room 62 Willard.
Philosophy, Donald Verve, PSU, on "Categories and the Imagination," 4 p.m., Room 101 Kern.
Computation Center, "Graphics," (4 of 4), 7:30 p.m., Room 105 Osmond.

Friday, March 31

Solid State, Ronald Reifemberger, University of Toronto, on "Photoelectron Energy Distribution in Photo-Induced Field Emission," 11 a.m., Room 339 Davey.

Exhibits

Chambers Gallery: Donna Pavlosky, weavings; Gettysburg College students' prints, both through March 28.

HUB Gallery: Jim Baker, recent photographs, through March 31.

Kern Commons Gallery: Charles Gibbons, art, New Kensington Campus, paintings; Grace Pilato, comics and penicillin; Joyce Stover, jewelry; PSU Ukrainian Club exhibit, all through March 25; Nancy Straley, paintings, BFA print exhibit, both open March 25. Jill Crowley, ceramics, opens March 27.

Museum of Art: Faces of Spain: Goya prints and drawings.

Sackett Gallery: Basic Design and Color, 2nd year architecture students, opens March 24. Richard Alden, Colored Pencil Drawings, 11:30 a.m.-1:30 p.m., Wednesdays and Thursdays, Room 401 Sackett.

Zoller Gallery: Student sculpture exhibit, through March 29. Drawings and prints, opens April 1.

From the Press

Educating for Careers: Policy Issues in a Time of Change, edited by Thomas F. Powers with the assistance of John R. Swinton. 190 pages. \$12.50.

The major questions of policy in matching the nation's educational system with its employment needs are explored by 18 educators, industrialists, labor leaders, and government officials. Among the issues examined are career planning, the effects of the economic climate on career education, the use and misuse of certification and credentialism, the interface between general and career education, and the responsibilities of

various educational agencies.

Contributors include several Penn State faculty members. They are Dr. Edward V. Ellis, associate dean for continuing education in the College of Human Development; Marlowe Froke, director of the Division of Media and Learning Resources; Continuing Education, Dr. Edwin L. Herr, head of the Department of Counselor Education; Dr. Gary P. Johnson, associate professor of education; Dr. Henry C. Johnson, Jr., professor of education; Dr. Morgan V. Lewis, senior research associate, Institute for Research on Human Resources; Dr. Peter B. Meyer, associate professor of economic planning; and Dr. William E. Toombs, assistant director of the Center for the Study of

and counties in ten different states. A member of Philadelphia's social elite, Dallas controlled the Democracy of the Quaker City from the administration of James Monroe to that of Buchanan. He served as vice president under Polk and represented his country both in Russia and at the Court of St. James. Dr. Belohlavek, who teaches history at the University of South Florida, traces the successes and failures of this previously little known 19th century figure.

Penn Staters



Dr. George D. Wolf, dean of faculty at the Capitol Campus, has resigned his administrative position effective July 1, 1978, to return to full-time teaching and research. Originally appointed in 1965 as the first faculty member at Capitol, Dr. Wolf has held the position of Dean since July of 1973, following two and a half years of service as head of the Division of Humanities, Social Science and Education.

He came to the University from the Governor's Office, where he had served as a special assistant for project development to Governor William W. Scranton. The position resulted from a fellowship Dr. Wolf held with the National Center for Education in Politics while he was on leave from Lock Haven State College.

In his letter of resignation to Capitol Campus Provost Robert E. McDermott, Dean Wolf indicated that his primary reasons were related to the experience of his sabbatical leave and more regular teaching since his return from that leave a year ago. The revival of his scholarly writing interests as well as his closer contacts with students influenced him most, Dr. Wolf said.

A professor of American studies and history, he recently completed a biography of William W. Scranton. Dr. Wolf plans to write a political novel and a history of the Scranton gubernatorial years, in addition to teaching American history and politics.

Three engineering faculty members received Excellence in Teaching Awards during the recent Engineers' Week banquet. They are **Michael G. Abdalla**, assistant professor of general engineering, **Dr. Frank W. Schmidt**, professor of mechanical engineering, and **Dr. Jerry L. Goodrich**, instructor in industrial and management systems engineering. The awards were sponsored by the Penn State Engineering Society, the alumni group of the College of Engineering.

Mr. Abdalla was honored as the faculty member who has taught primarily in the first two years of the baccalaureate program; Dr. Schmidt as the senior faculty member who has been on the Penn State faculty for five years or more; and Dr. Goodrich as the junior faculty member who has taught at Penn State for at least two years.

The three were selected by a committee appointed by Dean Nunzio J. Palladino. In making its selection, the committee reviewed results of an effectiveness teaching survey conducted by the Dean's office and the recommendations of faculty and students.

Dr. Harry R. Allcock, professor of chemistry, recently presented an invited colloquium lecture at The University of Maryland. His talk was entitled "Phosphazene High Polymers — Macromolecules with a Difference."

Dr. Nuri Mohsenin, professor of agricultural engineering, recently presented a seminar at North Carolina State University on the topic, "Food Physics — A New Service Course for Agricultural and Food Scientists." It is the first of a series of seminars and short courses Dr. Mohsenin plans to present at a number of universities, both in this country and abroad, over the next several months.

Dr. Ernest A. Harrison, Jr., associate professor of chemistry at the York Campus, recently presented a lecture to faculty members and graduate students in the University of Maryland's Department of Chemistry, Organic Division. Dr. Harrison summarized his research on the preparation and chemistry of a novel class of cyclic organic compounds.

Dr. Thomas E. Daubert, professor of Chemical Engineering, has been elected national president of Phi Lambda Upsilon National Honorary Chemical Society for the 1978-1981 triennium. Dr. Daubert previously has served as national editor and national secretary and is currently national vice-president.

The society was founded in 1899 at the University of Illinois and currently consists of about 40,000 members and 50 collegiate chapters at major U.S. colleges and universities. Its major object is to promote high scholarship and original investigation in all branches of pure and applied chemistry.

Two University faculty members have been appointed by the U.S. Olympic Committee to a new Sports Psychology Committee charged with studying and refining psychological factors in American sports. They are **Dr. Michael J. Mahoney**, associate professor of psychology, and **Dr. Dorothy V. Harris**, professor of health, physical education, and recreation. The committee will meet with Olympic coaches and hopefuls for the first time this summer at the first annual National Sports Festival, to be held in Colorado Springs. In addition to providing psychological counseling during the festival, they will conduct research on topics related to sports psychology and will develop resource materials for coaches and athletes. According to Dr. Mahoney, the committee sees one of its greatest challenges as encouraging a shift of emphasis from winning to enjoyment in international competition.

Dr. Yupo Chan, assistant professor of civil engineering, has been invited by the Transportation Research Board to serve on the Committee on Energy Conservation and Transportation Demand. The Transportation Board is a branch of the National Research Council's Commission on Sociotechnical Systems.

Dr. Robert Lima, professor of Spanish and comparative literature, recently delivered the 1978 Modern Literatures lecture at Villanova University under the joint sponsorship of the departments of English and Modern Languages. Dr. Lima's lecture was entitled "Damned Souls: The Devil Pact in Dramatic Literature."

Dr. Bruce M. Siegenhalter, director of the Speech and Hearing Clinic, has been named to the seven-member Certification Board of the National Society for Crippled Children and Adults, the Easter Seal Society. The board sets standards of training preparation and experience for the Society's staff on the local, intermediate and national levels.

Dr. Julian Heicklen, professor of chemistry, presented an invited talk at the Chemistry/Chemical and Environmental Engineering Seminar at Rensselaer Polytechnic Institute on March 8. He discussed "Chemical Control of Photochemical Smog."



NCAA Midwest Regionals for men's gymnastics will take place Saturday at the Recreation Bldg.

Dr. Richard C. Bradt, professor of ceramic science, presented an invited lecture at the 16th Basic Science of Ceramics meeting of the Japanese Ceramic Society held recently in Tokyo. He discussed "Structural Aspects of Subcritical (Slow) Crack Growth in Ceramics." While in Japan, Dr. Bradt presented seminars at several universities, including Tokyo Institute of Technology, Keio University, the National Defense Academy, Tokyo University, and Nagoya Institute of Technology.

Dr. Richard D. Rodefeld, assistant professor of rural sociology, has been elected to the board of directors of Rural America, a non-profit citizens organization designed to give people in rural areas and small towns a stronger voice in Washington.

Dr. John C. Harper II, professor of agronomy extension, has been named winner of the Golf Course Superintendents Association of America's 1978 Distinguished Service Award. The first Extension agronomist ever to receive this coveted award, Dr. Harper was cited for his outstanding contributions to the golf course industry in research and Extension and as an educational writer and speaker.

Appointments

Michael A. Smyer as assistant professor of human development in the division of individual and family studies at University Park (B.S., Yale U., Ph.D., Duke U. Formerly assistant to the president, Duke U.; clinical psychologist, N. Carolina.

Ruth A. O'Brien as assistant professor of nursing at University Park. B.S.N., U. of Pennsylvania; M.S.N., Case Western Reserve U.; Ph.D. candidate, New York U. Formerly assistant professor, Case Western Reserve; team leader, Community Nursing Services, Hackensack N.J. Hospital; adjunct assistant professor, Fairleigh Dickinson.

Robert Sevinsky as assistant professor of humanities at Hershey. A.B., U. of Scranton; M.A., Ph.D., Boston College.

Jay Gold as assistant professor of humanities at Hershey. B.A., St. John's College, J.D., New York U. School of Law, M.P.H., Harvard U. School of Public Health. Formerly assistant attorney general for the Commonwealth.

Walter M. Tzikowski as assistant professor of wildlife science at University Park. B.S., U. of Pittsburgh; M.S., U. of W. Virginia, Ph.D. candidate, U. of Massachusetts.

News in brief

(Continued from page 4)

the Penn State Alumni Association, and the Colleges.

Slavic Library has new office

The Slavic Library Program has moved from the third floor of Pattee Library to Room 1122 West Pattee at the University Park Campus. The telephone number remains the same and is 865-7213. Faculty members who would like to request that Slavic or East European materials be ordered, should do so as soon as possible after publication.

Funding Opportunities

For further information, call 865-1372

(306-1) The Office of Federal Programs has published a special review report on **Support for Health Manpower Education and Training**. Covered in the report are programs administered by the HEW/HRA Bureau of Health Manpower. (Ref. OEP Spec. Rept., 2/17/78).

(306-2) The Office of Management and Budget has issued a notice of opportunity to comment on the proposed revisions to "Cost Principles for Educational Institutions," OMB Circular A-21, by May 1. Objectives, policy and institutional functions are discussed as well as instruction and research definitions and types of costs. (Ref. 43FR996-07, 3/10/78).

(306-3) Naval Postgraduate Foundation, Inc. (Office of Naval Research 733), 800 W. Quincy St., Arlington, Va. 22217 invites applications for its Carl E. Mencken \$1000 fellowship for scientific or engineering research. Candidates should submit their topics and a brief description of their plans with supporting statements from their advisors by April 1.

Fellowships

For further information, inquire at Room 320 Kern or call 865-2514
(305-5) OE-Vocational Ed. Teacher Certification Fellowships — May 16
(305-6) FHWA — fellowships and scholarship grants
(305-7) Civil Service Comm. — work-study programs
(305-8) NEA — fellowships for mid-career artists from U.S. or Japan
(305-9) Organization of American States — grants for study and research in member countries.

REMINDER AND DEADLINE DATES
 April 1, NSF, NSF Public Understanding of Science (300-3) . . . April 1, NEH HE Curriculum materials (303-2) . . . April 15, NEH Youth Grants (303-3) . . . June 1, NSF Youth Project planning grants (304-3) . . . June 1, NSF Antarctic Research (298-3) . . . July 1, Ford/Rockefeller Population Research (305-3).

Penn State Intercom

Summer arts fare varied

Nittany Mountain Summer, the summer arts program of the University, has received a grant from the National Endowment for the Arts for audience expansion.

According to Dr. Walter H. Walters, dean of the College of Arts and Architecture and director of University Arts Services, this is the third consecutive year such a grant has been received. Nittany Mountain Summer was inaugurated in 1974, under Dean Walters' leadership, as a means of providing quality area arts programming during the summer months.

Included in this summer's offerings will be exhibitions at the Museum of Art; Festival Theatre, the summer professional theatre of the University; and Nittany Mountain Summer Spectrum, a music and dance series.

This year's Spectrum offerings will include a week's residency of the Pennsylvania Ballet and Orchestra. The residency is scheduled for July 12-15 and will coincide with the Central Pennsylvania Festival of the Arts.

Other Spectrum events will be programs by singers Gordon MacRae and Loretta Lynn, performing on June 23 and July 28 respectively; the Erick Hawkins Dance Company, a modern dance troupe,

(Continued on page 6)

Next Senate meeting is April 4

Proposed changes to the University's retention and transfer policies, dealing primarily with changes of major and academic drops by colleges, will be presented to the Faculty Senate for action when it meets at 2:10 p.m. on Tuesday, April 4, in Room 112 Kern Bldg.

The legislation was prepared by the Senate Committee on Undergraduate Instruction and its Subcommittee on Retention and Transfer after an earlier proposal was referred to the committee last spring. The earlier proposal was part of a package of legislation on the retention and transfer of students in baccalaureate degree programs. The other recommendations in the package were approved at that time.

The main points of the proposal to be presented next week appear on page 4 of this week's INTERCOM. The complete text of the proposal and an accompanying statement are available at department offices or from the Senate Office.

In other action, the Senate Committee on Admissions, Records, and Scheduling will present an informational report on six experimental admission programs implemented last year for special groups of students who do not meet all the requirements for regular admissions. Among the six are such programs as one for exceptional high school seniors and one for veterans.

On the program for high school seniors, the one for which the most information is

available, the committee will report that 1) the programs were selective (the average high school GPA was between 3.0 and 3.5); 2) the students were not enrolling in either remedial courses or in courses likely to be duplicated in a high school curriculum; 3) the students who earned GPAs below 2.00 were either counseled out of the program or elected not to continue; 4) the local campus faculty remained actively involved in monitoring the effectiveness of the programs; and 5) a substantial proportion of the participants planned to continue their education at Penn State.

When the Senate originally approved legislation authorizing the administration to experiment with special admissions programs, it specified that such programs be reviewed by the Provost and the appropriate Senate committee prior to implementation and annually thereafter. The Senate also specified that enrollments in such programs be no more than 10 percent of the total enrollments at any location and that the Senate review and approve all such programs every year.

In addition to its informational report, the committee will present legislation to ensure that future reports on special admission programs will be complete. The proposal will outline various kinds of information that should be included in every report.

The Committee on Admissions, Records and Scheduling will also

recommend a rewording of Senate Policy 34-58, which deals with course availability. In registration for popular or overcrowded courses, priority is given to students with a high term rank.

The committee's change would strengthen the recommendation that students of lower term rank, but for whom the course is a requirement, also be given priority.

The same committee will propose a change in Senate Policy 54-20, which deals with academic warning. It would specify that a student whose grade-point average drops below the 2.00 minimum cumulative average for graduation would receive academic warning, unless drop action is taken under other policies.

Under the current policy, a student at the Capitol Campus is notified as soon as his grade point average drops below 2.00, but students at the other campuses may not receive academic warning until later. The change is an attempt to unify the policy for all campuses and to give students immediate warning of their academic difficulties.

The Committee on Curricular Affairs will recommend that its membership guidelines be revised to include one faculty senator each from Behrend College, Capitol Campus, and the College of Medicine. The purpose is to ensure that one representative from each degree-granting unit of the University is on the committee.

Enrollment mix is changing

Penn State serves more students from lower-income families than do most other universities, but the trend is changing.

Dr. Stanley O. Ikenberry, senior vice-president for administration, said that data collected on the annual freshmen survey form sponsored by the American Council on Education/University of California at Los Angeles (ACE/UCLA) Cooperative Institutional Research Program may reflect the failure of State support to keep pace with inflation and the tendency to shift more and more of the cost of a college education to the student.

The study shows that more Penn State freshmen are coming from families with incomes of over \$20,000 per year.

The ACE/UCLA survey also reveals that:

- For 80 percent of the Penn State freshmen, Penn State was the first college choice.
- The primary reason Penn State freshmen decided to attend college was to "be able to get a better job." This was noted by 79 percent of the freshmen, while a year earlier only 74 percent listed it.

- Other reasons for going to college were "to learn more about things" and "to gain a general education."

Ninety-three percent of the Penn State freshmen took the college preparatory program in high school. They felt they were best prepared in the areas of history and social sciences and in the sciences.

While Penn State freshmen felt relatively confident in their mathematics preparation, this area was checked most often as the one where remedial work would be needed.

The data show, too, that Penn State freshmen tend to be younger. Eighty-nine percent of Penn State's 10,375 freshmen are 18 years of age or younger, as compared to 83 percent of freshmen in the national norm.

The national norm is based on results from 47 colleges and universities, the institutions that had the best percentage of returns among the 548 that were surveyed.

The age of the Penn State freshmen would seem to indicate they begin their college careers soon after high school graduation, whereas freshmen at other universities may tend to delay college attendance while they review employment opportunities or other alternatives to college.

A clear majority of Penn State freshmen express concern about financing their college education, the number having increased from 54 percent last year to 56 percent this year.

Twelve percent indicate financing as a major concern, but the figure is below the national norm of 15 percent. The figures, it is believed, indicate that while finances are a major concern, a significant number of students apparently are being supported through

(Continued on page 4)



Pennsylvania Ballet will be in residence July 12-15.

Penn Staters

Two faculty members in the College of Earth and Mineral Sciences were honored at the College's recent annual student and faculty awards banquet. **Dr. Ian R. Harrison**, associate professor of polymer science, and **Dr. Earle Ryba**, associate professor of metallurgy, received the College's 1978 Matthew J. and Anne C. Wilson Outstanding Teaching Awards.

The awards, which consist of \$1,000 and a plaque, are made possible by a trust fund provided for by the will of Matthew J. Wilson, of Holland, Mich., a 1918 Penn State mining graduate. Award recipients are selected by the dean of the College, from nominations submitted by students.

Dr. Marshall H. Kaplan, associate professor of aerospace engineering, has received the College of Engineering's annual award for outstanding achievement in research. The award is sponsored by the Penn State Engineering Society, the College's alumni group.

Dr. Kaplan's teaching and research interests include astrodynamics, spacecraft autopilots, satellite design, and propulsion. He has conducted extensive research on ways to retrieve from space some of the 3,000 man-made objects now littering the galaxy hundreds of miles above the earth.

Dr. Robert F. Schmalz, professor of geology, has been elected a Fellow of the American Association for the Advancement of Science. The AAAS describes its Fellows as persons who have produced "a body of work on behalf of the advancement of science that is scientifically distinguished or socially highly significant or both."

Dr. Schmalz's selection was made for his "contributions to the field of marine sedimentation and for his efforts to inform the public about the physical environment through teaching, lecturing, and public broadcasting."

Dr. Edwin L. Cooper, professor of zoology, was installed as president-elect of the Northeast Division of the American Fisheries Society at the recent Northeast Fish and Wildlife Conference held at White Sulphur Springs, West Virginia. He will take office as president at the next annual meeting of the Society.

The American Fisheries Society is the oldest organization of professional managers and scientists dealing with natural resources in North America. It is organized into geographical divisions, discipline-oriented sections, and local chapters to deal with fisheries problems arising anywhere in the world.

Dr. Donald B. Johnson, associate professor of computer science, recently presented invited lectures at the University of Southern California and the University of California campuses at Berkeley and Santa Barbara. While in California, he also presided at a symposium, which he organized, on Computer Applications in Coatings and Plastics at the 175th meeting of the American Chemical Society.

Brant Shoemaker, associate professor of English at the Ogonite Campus, has been named to a second successive term as honorary vice-president of Centro Studi e Scambi Internazionale (International Center for the Study and Exchange of Ideas). Based in Rome, the Centro was established by the United Nations as an international group of invited poets and artists.

Prof. Shoemaker has been a frequent contributor to the organization's poetry magazine, *Quadern di Poesia*. His poems have also appeared in *Masters of Modern Poetry*, an annual anthology published by the Centro.



S. Leonard Rubinstein, professor of English, is being honored this term for his 25 years of service at the University.

He came to Penn State in 1952 after receiving the M.F.A. from the State University of Iowa. His B.A. degree is from Rutgers.

Recipient of the Christian R. and Mary F. Lindback Award for Distinguished Teaching in 1966, Prof. Rubinstein says his idea of a good teacher is "someone whose curiosity acts as a vacuum to elicit what other people think."

He wrote in the preface to one of his books that the teacher of writing, "like the student, like all men, is puzzled; he asks questions, which are pleas for help, and responds to questions, which are pleas for help. Ability to write is knowing and stating and resolving ignorance."

Professor Rubinstein is the author or co-author of six books. His novel, *The Battle-Dome*, based partly on his own World War II experiences, came out in 1954. A textbook, *Writing: A Habit of Mind*, came out in 1972. He has published short stories, articles, and translations.

With Robert G. Weaver, professor of English, he wrote two textbooks, *The Plain Rhetoric and Frameworks of Exposition*, and edited an anthology, *The Brief Essay*. The two also collaborated on *The Grave-maker's House*, published as a Harper and Row Novel of Suspense.

In addition, Prof. Rubinstein collaborated with Prof. Weaver and James Holahan, associate professor of English, on the textbook *Writing the Research Paper*.

In 1965 Prof. Rubinstein was a recipient of the Edgar Allan Poe Special Award of the Mystery Writers of America. From 1968 to 1971 he was one of three regional judges in the Book-of-the-Month Club Writing Fellowship Program.

Over the years he has helped develop several writing courses at Penn State and was formerly director of the Writing Option within the Department of English. He served with the late Professors Finch and Shelley on a committee overseeing the General Education Program in the College of the Liberal Arts. He has also served on the faculty of the NDEA Institute in English for secondary school teachers offered at the University.



Dr. Robert W. Green, professor of European history, is marking his 25th year of service to the University this year.

With a particular interest in the age of Louis XIV, he has taught more than 6,000 students, primarily in courses offered as electives. He has also supervised a number of Ph.D. and master's theses, but is, perhaps, best known for his contributions to undergraduate instruction at the University. While his more general interests are reflected in his course on Europe from the Renaissance to Waterloo and in his publications on the Weber thesis and an outline history of civilization, he teaches advanced courses on 17th century France and the French Revolution and Napoleonic era.

In 1969, Dr. Green received the Christian R. and Mary F. Lindback Award for Distinguished Teaching, and in 1963, he was the recipient of the Class of 1933 Award for Distinguished Service to the Humanities, presented for the first time the previous year.

He came to Penn State after serving for three years as instructor of history at the University of Iowa, where he earned the Ph.D. degree in history. His B.A. degree is from the University of Iowa and his A.M. from the University of Chicago. Both are in history.

Dr. Green played a major role in the development and subsequent revision of the history honors program at Penn State, and also instituted the History Roundtable, a program of student tours and historical activities, in 1954. He was a member of the University Faculty Senate for six years.

From 1959 to 1965, he handled all scheduling and registration for the Department of History, and in 1963, he served as acting head of the department. He has been active in numerous departmental and College committees, and has performed various functions for the Army R.O.T.C. program at Penn State. In the late 1960s, he and a colleague, Dr. John B. Frantz, developed a "Democracy in Crisis" lecture series as a response to the political turbulence on the nation's campuses. Dr. Green has lived and traveled extensively in France.



Clarence M. "Dutch" Sykes, "Mr. Intramurals" to thousands of Penn State students over the years, has retired. Involved with the intramural athletic program for more than 30 years, Prof. Sykes headed the division of recreational sports in the College of Health, Physical Education and Recreation. In that post, he directed one of the nation's most comprehensive intramural programs.

He earned a B.A. in 1942 and an M.S. in 1949, both from Penn State and both in physical education. A native of DuBois, Pa., he is a 1935 graduate of DuBois High School.

Mr. Sykes once served as an educational reconditioning specialist at Mayo General Hospital in Galesburg, Ill., and also spent a year in the contract cancellation department of the Westinghouse Electric Corp. He entered the U.S. Army Infantry in 1946 and served in the Philippine Islands.

Retiring with the rank of professor emeritus of physical education, he says he is proudest of the fact that "our [intramurals] program, sophisticated and extensive as it is, has been dedicated to serving the so-called 'average student,' the student who wants to take part in competitive sports on the non-varsity level."

Appointments

Jan P. Holland as senior research associate in Applied Research Lab at University Park. B.S. E.E., Iowa State U.; M.S. E.E., U. of Connecticut; Ph.D., U. of Rhode Island. Formerly with Naval Underwater Systems Center, New London, Conn.

William K. Kleystuber as assistant professor of mining engineering at New Kensington. B.S., M.S., U. of Pittsburgh. Formerly with U.S. Steel Corp. and U.S. Bureau of Mines.

Memorial fund established

Donations for the Jesse McManes Memorial Fund, which has been established to provide a commemorative award for future student use, may be sent to the Central Counties Bank, P.O. Box 19, State College, Pa. 16801. Mr. McManes, who was associate director of student aid at the University, died March 1.

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WPSX Highlights

Members of the Penn State University Chorus join the Pittsburgh Symphony Orchestra on **Previn and the Pittsburgh**, Sunday, Apr. 2, at 8 p.m. The Chorus, along with baritone John Shirley-Quirk, is featured in a performance honoring modern English composer Sir William Walton and his oratorio, *Belshazzar's Feast*.

In the 1960s, the sports world discovered the surprising talents of the runners from Kenya — the Kalerinji and Kisili peoples. Sunday, Apr. 2, at 11 p.m., **BBC Outlook** follows the training of one young runner in the grasslands of Kenya.

Small Town, PA, a five-part series of Penn State Television programs about rural and small town life in Pennsylvania, begins Monday, Apr. 3, at 9 p.m. with *A Tale of Reliance and Hope*. Members of the Phillips Hope and Reliance

Companies provide an inside look at the life of the volunteer fireman. Other programs in the series are about a small town newspaper, a small business, a community hospital, and a family farm. Novelist John Gardner, winner of the 1976 National Book Critics Circle fiction award for *October Light*, is interviewed Monday, Apr. 3, at 10 p.m. on *The Originals: The Writer in America*.

The world-famous Martha Graham Dance Company is featured Tuesday, Apr. 4, at 8 p.m. on *In Performance at Wolf Trap*. The troupe will perform three selections: *Scaphic Dialogue*, *O Thou Desire Who Art About to Sing*, and *Phaedra*.

James Levine conducts a double bill of opera on *Live From the Met*, Wednesday, Apr. 5, at 8 p.m. The performance features Mascagni's *Cavalleria Rusticana* and Leoncavallo's *Pagliacci* — two works which are often performed together.

University Park Calendar

March 31 — April 9

Special Events

Friday, March 31

Pass/fall deadline.
Sports: men's tennis, vs. George Washington, 3 p.m.
Shaver's Creek Nature Center, Timberdoodle Walk, 6 p.m., Stone Valley. Follow signs to Outdoor School.

france-cinema, Polanski, *The Tenant* (in English), 7 and 9 p.m., Room 112 Kern.

A. Dixon Johnson Memorial Lecture in Science Communication, Carl Sagan, Cornell University, on "Public Understanding of Science," 8 p.m., Eisenhower Auditorium.
Charles Noble, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 1

Last date for May graduates to deliver doctoral theses to committees.

Eco-Action Recycling stations open, 10 a.m.-3 p.m., Parking Lot 83 (behind flower gardens) and Boalsburg Fire Hall.

Model Railroad Club Model Contest, 10 a.m.-4 p.m., HUB old gallery.

Sports: men's volleyball, vs. Princeton, 1 p.m., Rec. Bldg.

france-cinema, Bunuel, *Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.

Sunday, April 2

University Chapel service, Thomas W. Courtney, speaker and author, State College, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, reptiles program, 2 p.m., Mineral Industries Camp, Stone Valley.

Sports: men's lacrosse, vs. Syracuse, 2 p.m.; baseball, vs. Bloomsburg (2), 1 p.m.

france-cinema, Polanski, *The Tenant* (in English), 7 and 9 p.m., Room 112 Kern.

Classics/History Dept. Illustrated Lecture.

N.G.L. Hammond, University of Bristol, on "The Tomb of Philip II of Macedon," 8 p.m., Room 101 Kern.

Artists Series, New York Renaissance Band, (rescheduled), 8:30 p.m., Eisenhower Auditorium.

Penn State Glee Club and Cedar Crest Glee Club, 7:30 p.m., Music Bldg. recital hall.

Monday, April 3

Pass/fall deadline.

London Bus tours start, 1:30 and 2:30 p.m.

HUB main entrance, throughout term.

Cinematheque, Weinman, *Octob Incident* (1943), 7 p.m.; Peckinpah, *The Wild Bunch* (1968), 9 p.m., HUB assembly hall.

france-cinema, Bunuel, *Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.

Philosophy Dept. Lecture, Jeanne Hersch, University of Geneva, Switzerland, on "About Finitude," 8 p.m., Room 101 Kern.

Tuesday, April 4

Drop deadline.

Pass/fall deadline.

Course repeat deadline.

Pre-registration deadline for summer term 1978.

Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates.

Fixed date for meetings involving Commonwealth Campus faculty.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Alergia Bendelac, French.

Schuykill Campus, on "Problems of the South."

Native American Education symposium.

Gerald Gipp, Office of Indian Education, Washington, D.C., on "Politics: Federal, State and Local Relationships," noon, HUB assembly hall.

france-cinema, Polanski, *The Tenant*, 7 and 9 p.m., Room 112 Kern.

English Colloquium, Kenneth Thigpen, English, on "Killing the Fatted Calf: Critical Problems in the Study of Folk Narrative," 8 p.m., Room 101 Kern.

Wednesday, April 5

Commonplace Theatre, *The Last Detail*, 7:30 and 9:30 p.m., Room 112 Kern.

Comp. Lit. film, *Emile Zola*, 8 p.m., Room 151

Willard. Free admission.

Artists Series, American Film Theatre, *Pinter, The Homecoming*, 8 p.m., Eisenhower Auditorium.

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.

Friday, April 7

College of Business Administration, William Elliott Lecture, A Haeworth Robertson, vice-president, William M. Mercer, Inc., and former chief actuary of the U.S. Social Security Administration, on "The Future of the Social Security System," 9:45 a.m., Keller Conference Center.

Sports: men's track, Nittany Lion Relays; women's lacrosse, vs. Towson, 3 p.m.

New German Cinema, Werner Herzog, *Agurre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Artists Series, Speculum Musicae, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 8

Last date for final oral doctoral examinations for May graduates.

Last date for May graduates to deliver master's theses or papers to advisers.

Sports: men's track, Nittany Lion Relays; baseball, vs. Rutgers (2), 1 p.m.; men's tennis, vs. Bloomsburg, 1 p.m.

German Club Play, Brecht, *Die Kleinhändlerhuckst*, 8 p.m., Room 112 Kern.

UCC Comedy, "House of Assembly," 8 p.m., HUB ballroom.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium. Free.

Sunday, April 9

University Chapel service, Dr. Gayraud S. Wilmore, Colgate Rochester-Bellevue Hall.

Crozer, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, History Program, 2 p.m., Mineral Industries Camp, Stone Valley.

Sports: men's tennis, vs. Rochester, 2 p.m.

Lowell Knauer, organ, 3:30 p.m., Music Bldg. recital hall.

Artists Series, Lynn Harrell, 'cello, and Paul Schenly, piano, 8:30 p.m., Eisenhower Auditorium.

Seminars

Thursday, March 30

Computation Center, "Graphics," (4 of 4), 7:30 p.m., Room 105 Osmond.

Friday, March 31

Solid State, Ronald Reifenger, University of Toronto, on "Photoelectron Energy Distribution in Photo-Induced Field Emission," 11 a.m., Room 339 Davey.

Monday, April 3

Biochemistry and Biophysics, Charles Grieshaber, NIH, on "NIH Grants — The Present and the Future," 3:55 p.m., Room 101 Althouse.

Computation Center, "Bibliographic Materials," (1 of 2), 7:30 p.m., Room 105 Osmond.

Tuesday, April 4

Food Science, J. Zoller, on "The Importance of Lipolysis in Food Processing," 11:10 a.m., Room 201 Barford.

Research Applications of Computers, B. H. McCormick, information engineering, University of Illinois, Chicago Circle, on "Image Processing for Clinical Ophthalmology," 1 p.m., Room 111 Boucke.

Biology, F. Marcott Simek, Chief of Section on Bio-Medical Gerontology at Boston University Medical Center, on "Biochemistry of Aging," 2:20 p.m., Room 8, Life Science I.

Solid Waste Management, James A. Commens, JACA Corp., Fort Washington, Pa., on "Barriers to Use of Secondary Metals," 2:20 p.m., Room 128 Sackett.

Population Issues Research Office, Shannon Stokes, research on "Pronatalism and Fertility: The Case of the Military," 2:30 p.m., Room 174 Willard.

Chemical Engineering, William B. Russel, Princeton University, on "The Role of Colloidal Forces in the Rheology of Aqueous Polymer Solutions," 3:45 p.m., Room 140 Fenske.

Physics/Astronomy, Arthur Hogg, Lowell Observatory, on "The Search for Faint Emission Line Quasars," 3:50 p.m., Room 445 Davey.



Among the many ceramics on display at the Anthropology Museum are, from left, an Algerian fruit stand, and an oil lamp and jug from Fort National.

Photo by Brian Klutz

Exhibits

Anthropology Museum: open Tuesday and Thursday, 9:15-4:45 a.m. and 12:45-5 p.m.; Wednesday, 9 a.m.-noon. The World of Music: Pre-Colonial Ceramics; Ethiopian Collection.

Chambers Gallery: Terry L. Bowie, paintings, opens April 3.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m., Mineral Industries Bldg.

Frost Entomological Museum: Open weekdays, 9 a.m.-noon and 1-4:40 p.m.; Room 102 Patterson. Architecture of insects and related arthropods.

HUB Gallery: Erna Yost, abstract paintings, and Model Railroad Club exhibit, both open April 1.

Kern Commons Gallery: Nancy Strailey, paintings, and BFA print exhibit, through April 8. Jill Crowley, ceramics. USN Combat Art of WW II, paintings, opens April 6. Ed Leos, photographs, opens April 8.

Museum of Art: open Tuesday-Sunday, noon-5 p.m. Tours, 1:30 p.m., Sunday. Faces of Spain: Goya prints and drawings.

Sackett Gallery: Basic Design and Color, 2nd year architecture students, through April 7. Richard Alden, Colored Pencil Drawings, 11:30 a.m.-1:30 p.m., Wednesdays and Thursdays, Room 401 Sackett, through mid-April.

Zoller Gallery: Drawing and printmaking exhibition, opens April 1.

Funding Opportunities

For further information, call 865-1372

(307-1) The National Science Foundation announces a program of Research on Selected Topics in Science and Technology Policy. Four topics are supported: Commercialization of Federal R&D; U.S. international technology position, technology indices, and effects of science and technology on employment. The closing date is May 15. (Ref. NSF 78-14)

(307-2) The NSF Science for Citizens (SFC) program has an April 24 deadline date for informal proposals (no more than five pages). Selected formal proposals will be invited; this deadline date will be June 15. The SFC thrust is to increase the knowledgeable participation of scientists and nonscientists in the resolution of public policy involving science and technology. (Ref. SE 78-64)

Editor's note: Following are excerpts from a proposal on retention and transfer policies that will be presented at the April 4 University Faculty Senate meeting. The complete text of the proposal and an attachment that deals with related questions are available in department offices and at the Senate Office.

In response to certain of the legislative actions of the University Faculty Senate in June 1977, (Appendix VI of the Senate Record for 6-7-77), the Committee on Undergraduate Instruction was charged to prepare legislation on transfer and retention of students in programs. The following legislation has been prepared for Faculty Senate action. The proposal is based on revision of Policy 37-30 Change in Major Programs of Study and 54-56 Drops by College.

A guiding principle in the development of this legislation was that all students would have equity in access to programs and retention in programs. Thus, a student will have an equal opportunity with all other students changing from one College to another, seeking entrance to a major, changing from one major to another, or transferring from the Division of Undergraduate Studies to a College or major.

The minimal academic standards proposed for entrance to a College or major are based on the student acquiring a 2.00 cumulative grade-point average. It also proposed that the dean, with the approval of the program faculty, may make exceptions for individual students where it is deemed academically appropriate. The legislation proposes that the minimal standard for retention of a student in a major is the University dismissal rule (54-52).

If more restrictive academic requirements are imposed for entrance to a College or major, retention in a program, requirements must be based on academic considerations unless enrollment ceilings have been established for the College or major by administrative actions. If a College or major wishes to impose more restrictive transfer or retention requirements the following procedure already enacted by the Senate at the June 1977 meeting is operative.

Retention and Transfer A Faculty Senate Report

The request of a program faculty for more restrictive academic requirements for transfer and/or retention will be submitted to the dean of the College. If approved by the Dean, the proposal will then be submitted to the Curriculum Recorder of the Senate for review of the Committee on Undergraduate Instruction and publication as an addendum to the Blue Sheets. Following proper faculty approval and review by the Senate Committee on Undergraduate Instruction, the Senate will then publicize the approved restrictive requirements for transfer and/or retention in a given College or major. The Committee on Undergraduate Instruction proposes the following legislation for Transfer and Retention of students in colleges and programs. . . .

Present Policy 37-30 Changes in Major Programs of Study

1. A candidate desiring to change from one College to another, or from one major to another, or from the Division of Undergraduate Studies to a College must meet the entrance requirements (Carnegie Units) and change of major requirements of the College and major which the student wishes to enter and obtain the approval of the dean of that College.

Proposed Policy 37-30 Entrance to and Changes in Major Programs of Study

1. A candidate seeking entrance to a major or desiring to change from one College to another, or from one major to another, or from the Division of Undergraduate Studies to a College may do so provided any enrollment ceilings of the College or major have not been reached and provided the candidate satisfies the following minimum

academic requirements:

- a. Meet the entrance requirements (Carnegie Units) of the College which the student wishes to enter.
- b. Demonstrate at least a C (2.00) cumulative average for all courses taken at the University subject to the conditions of section 51-50.
- c. Satisfy any additional academic requirements that have been proposed by the College or the major and approved by the dean of the College and the University Faculty Senate Committee on Undergraduate Instruction. Requirements for entrance to a College shall be those in effect at the time of the student's most recent admission to degree candidacy. The candidate must also obtain certification from the dean of the College in which the candidate desires to enroll that the candidate meets the change of College requirements have been met.
- d. The dean of the College with the approval of the program faculty may approve exceptions for individual students, for entrance to a College or major, that are deemed academically appropriate, provided no students meeting criteria a, b, and c are being denied entrance because of enrollment ceilings. . . .

Present Policy 54-56 Drops by Colleges

1. The dean of the College, subject to the review of the faculty of the College, may recommend to the President that a candidate be disenrolled from the College and be required to consult with the Division of Undergraduate Studies to determine if some other programs of studies should be under-

taken. Candidates thus referred to the Division of Undergraduate Studies may be accepted for enrollment therein with the view of later transfer to another major. If not accepted for enrollment in the Division of Undergraduate Studies, the candidate will be dropped from degree status.

Proposed Policy 54-56 Drops by Colleges

1. The dean of the College, subject to the review of the faculty of the College, may require that a candidate be disenrolled from a major in the College or from the College for failure to meet academic retention standards of the major or the College. Academic retention standards applicable to any student shall be those in effect at the time of the student's most recent admission to the major or College. A student required to disenroll from a major may transfer directly to another major subject to policy 37-00, or may be admitted to the Division of Undergraduate Studies subject to policy 39-00, with the view of later transfer to another major. If not accepted for enrollment in another major or in the Division of Undergraduate Studies, the candidate will be dropped from degree status.

Note: A candidate who is disenrolled from a major and who has previously completed the allowed enrollment time limit of the Division of Undergraduate Studies, as specified in Senate Policy 39-50, may be allowed one additional term of enrollment in that division. Failure to relocate into another major in the specified time will cause the candidate to be dropped from degree candidacy under policy 39-80 unless policy 54-52 applies.

SUBCOMMITTEE ON RETENTION AND TRANSFER POLICIES:

Michael Fisher
James S. Holt
E. Willard Miller, Chairman
Andrew Pytel
Jacqueline L. Schoch
Eloise C. Snyder
Harvey W. Wyler

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions filled completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Apr. 6. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COUNSELOR, STUDENT AFFAIRS, University Park. Responsible for providing various services to individual students to enable them to effectively adjust to the University's policies and socially, personally, and academically to the extent at which services are indicated. A master's degree in sociology or counselor education is required. Over one year up to and including two years of directly related experience in a directly related activity is necessary.

CURATOR, PIANOS AND ORGANS — ARTS AND ARCHITECTURE, University Park. Responsible to Head of the Department of Music and the Director of University Arts Services for procurement, artistic performance and maintenance of University owned pianos and organs and other related instruments. Duties include tuning, restoration of pianos and organs; conducting lectures on piano technology; coordinating purchase of new instruments and overall responsibility for the Music Department's and University Arts Services' pianos and organs. Formal piano technician's training or equivalent in conservation of musical instruments and two to four years directly related experience. Membership in the Piano Technicians' Guild is required.

LEAD SYSTEM DEVELOPER — INTERCOLLEGE RESEARCH PROGRAMS, University Park. Responsible to the Manager of the Systems Development Group in the Computer Center for providing technical leadership and coordination of the development of major enhancements of computer operating systems, major modifications of externally available system software, and the development of complete subsystems. Generates and researches proposals for new operating system enhancement projects. Provides leadership role in group reviews of design and code in computer science or equivalent, plus five years' experience in system programming and system development on large IBM system under MVT or MVS or batchelor's degree (or equivalent) plus four to five years of directly related experience. Demonstrable technical leadership ability.

RESEARCH AIDE, COLLEGE OF AGRICULTURE, University Park. Extract hormones from blood or tissue samples, chromatograph extracts, and perform radioimmunoassays of hormones using ¹²⁵I and ³H-labeled compounds. Operate gamma scintillation spectrometer. Using aseptic techniques, remove tissue from experimental animals, prepare cell suspensions, establish and maintain cells in culture, and evaluate cultured cells both morphologically and biochemically. Perform biochemical and metabolic analyses of sperm and cultured or other cells utilizing sophisticated laboratory instruments. Develop and modify procedures in relation to data obtained. Prepare specimens for light and electron microscopic examinations by fixing, dehydrating, culting and staining tissue or cells. Bachelor of science degree in animal science, biochemistry, biology or similar field with course work in chemistry, biochemistry, microbiology, histological techniques and electron microscopy, and up to one year of directly related experience in tissue culture, microscopy, biochemical analyses, or radioimmunoassay, with demonstrated ability to conduct research with minimal supervision, is required.

SYSTEM DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS, University Park.

Responsible to the Manager of the Systems Development Group in the Computer Center for the development of significant enhancements of computer operating systems, modification of externally available system software, and the development of components of major subsystems. Bachelor's degree in computer science or equivalent, plus one year's directly related experience in system programming and system development on large IBM system under MVT or MVS.

STUDENT AID COORDINATOR, OFFICE OF FINANCIAL AID, University Park. Responsible to the Director of Student Aid for the development and maintenance of effective fiscal controls for all federal, state, private and institutional aid. Responsible for supervising the Basic Grants Program and counseling students in financial matters. Position will assist in the program administration of all aid sources. Master's degree preferably in student personnel, higher education or social sciences or equivalent plus two to four years of directly related experience in student personnel, student aid, or other related areas is required.

SENIOR SYSTEM DEVELOPER — INTERCOLLEGE RESEARCH PROGRAMS, University Park. Responsible to the Manager of the Systems Development Group in the Computer Center for the development of major enhancements of computer operating systems, modification of externally available system software, and the development of computer subsystems. Generates and researches proposals for new operating system enhancement projects. Master's degree in computer science or equivalent, plus at least two years' experience in system programming and system development on large IBM system under MVT or MVS, or bachelor's degree (or equivalent) plus two to four years of directly related experience.

Enrollment mix

(Continued from page 1)

available funding programs for Penn State.

Nearly one out of three 1977-78 freshmen live within ten miles of their Campus. More than 7,150 of Penn State's 10,375 freshmen last fall were enrolled at branch campuses.

Freshmen at the University feel high school grading is too easy, college grades are important and should not be abolished, and that students should have a voice in the evaluation of their teachers.

These were views indicated by Penn State freshmen on the ACE/UCLA survey. While Penn State freshmen seemed to be "middle-of-the-road" in political orientation and on social issues, they did express strong views on women and job quality, as did freshmen elsewhere. Ninety-three percent of the Penn State freshmen felt that there should be job equality for women.

The Penn State freshmen also think that government should do more to discourage energy use and that the government has not been successful in controlling pollution. More than 80 percent hold these views.

Fifty-four percent say that marijuana should be legalized and 55 percent favor legalization of abortion. Seventy-one percent of the Penn State freshmen hold the opinion that there are too many rights for criminals.

Comparing the Penn State figures with the national norms of the ACE/UCLA survey, Penn State freshmen do not feel as strongly about job equality for women, government's role in energy use and pollution, and legalizing marijuana and abortion as do other university freshmen.

The Penn State freshmen were more concerned about the rights of criminals, with 71 percent at Penn State expressing concern. Elsewhere, an average of 61 percent were concerned.

Overall, the Penn State freshmen have expectations from college similar to freshmen at other universities. The one out of four feel confident they will acquire a baccalaureate degree and ten in ten expects to graduate with honors. Fifty-five percent feel they will be satisfied at Penn State.

More than 45 percent at Penn State say they need a job to help pay college expenses and one in four intends to work at an outside job while attending school.

About 65 percent this year expressed confidence in finding a job in their preferred field after graduation. This was an increase of 10 percent over the freshmen who expressed this confidence a year ago.

The percentage of Penn State freshmen who feel certain personal objectives are very important seems to be distributed in relatively the same proportion as the attitude of other university freshmen.

Their primary objective, noted by 77 percent of the freshmen, was to become an authority in their respective fields. The next most important objective, said 60 percent of the freshmen, was "to help others who are in difficulty."

Other objectives that were noted as important by more than half of the Penn State freshmen were being well-off financially, developing a philosophy of life, raising a family, and obtaining recognition from colleagues.

Some objectives that Penn State freshmen felt were least important included influencing the political structure, creating an artistic work, writing an original work and achieving in a performing art.

Freshmen at other universities, according to the survey, also consider these objectives to be the least important.

Roundup



Lynn Harrell

Artists Series events

The Artists Series will present a number of events over the next several weeks, beginning with a rescheduled performance of the New York Renaissance Band at 8:30 p.m. on Sunday, April 2, in Eisenhower Auditorium. The performance was postponed due to a snowstorm, patrons may use their original tickets.

Another program is scheduled for the following Friday. Speculum Musicae, one of the most exciting chamber ensembles playing today, will present a program that will include brief commentaries on composers and their work at 8:30 p.m. on Friday, April 7, in Eisenhower Auditorium. The ensemble's unusual sound combines violin, cello, bass, flute, oboe, clarinet, piano, percussion, and vibraphone, an instrument that resembles a xylophone with electrically operated valves.

Tickets for Speculum Musicae will be on sale at the HUB booth Thursday, April 6, and Friday, April 7, from 9 a.m. to 4 p.m.

Cellist Lynn Harrell is next on the calendar, with a performance at 8:30 p.m. on Sunday, April 9, also in Eisenhower Auditorium. With Pianist Paul Schenly, Harrell will perform works by Beethoven, Bach, Mendelssohn, Schubert, and Brahms.

Although tickets for the Harrell concert are sold out through Music Series subscriptions, any returned tickets will be on sale at the auditorium box office at 5 p.m. on the day of the performance.

On Friday, April 14, the Cleveland Quartet will perform at Eisenhower Auditorium at 8:30 p.m. Violinists Donald Weierstein and Peter Salaff, violist Martha Strongin Katz, and cellist Paul Katz are particularly known for their masterful performances of Beethoven quartet cycles, and their all-Beethoven program at Penn State will include the Quartet in A major, op. 18, no. 1, Quartet in F major, op. 135, and Quartet in C major, op. 59, no. 3.

Tickets for the Cleveland Quartet will be on sale Thursday and Friday, April 13 and 14, at the HUB booth from 9 a.m. to 4 p.m.

The film version of Harold Pinter's *Homecoming* will be shown as part of the Artists Series Film Festival at 8 p.m. on Wednesday, April 5, in Eisenhower Auditorium. Directed by Peter Hall, the film is generally considered a fine example of the successful conversion of a drama written for the stage into a motion picture.

The movie is set in London and tells the story of a young man who brings his new wife home from America to meet his all-male family. It is an examination of love and hate, and of how love can sometimes lead to destruction. Tickets will be on sale at the box office beginning at 7:30 p.m. that evening.

Robertson is keynoter for Elliott conference

A. Haerworth Robertson, vice president of William M. Mercer, Inc., and formerly chief actuary of the U.S. Social Security Administration, will speak on the future of the social security system at 9:45 a.m. on Friday, April 7, in the Keller Conference Center.

He will be the keynote speaker for the University's William Elliott Invitational Conference, which will continue through the next day with seminars led by Mr. Robertson and James Ketelsen, president of Tenneco, Inc.

Mr. Elliott, chairman of the Executive Committee of Philadelphia Life Insurance Company and donor of the William Elliott Chair in the College of Business Administration, will attend the conference, which is the fourth to be held at Penn State. Invitations have been extended to senior level executives of major insurance companies, representatives of trade associations, and leading academicians in the insurance field.

Mr. Robertson joined William M. Mercer, a subsidiary of Marsh & McLennan Companies, Inc., on March 1 of this year. For three years prior to that, he was chief actuary of the U.S. Social Security Administration. While in that position, he was awarded the Commissioner's Citation, the Administration's highest honor award.

Mr. Ketelsen became president of Tenneco, Inc., in June, 1977. He was formerly president of the I.J. Case Company, a major Tenneco subsidiary.

Symposium topic is African migration and development

A one-day symposium on "Migration and National Development in Africa" will be held Saturday, April 8, at the University Park Campus. It is presented as a Continuing Education service of Penn State's Black Studies Program and the College of Education.

Featured speakers will be Dr. Elliott Skinner, professor of anthropology at Columbia University, and Dr. Robert Cummings, director of African studies and research at Howard University. Dr. Skinner, who received the doctor of philosophy degree in anthropology at Columbia University, is the former U.S. ambassador to Upper Volta. Author of five books and numerous articles in scholarly journals, his major research interests center on migration and urban development.

He serves as chairman of the Afro-American Scholars Council and is a consultant to UNESCO, the Ford Foundation, and the Social Science Research Council.

A graduate of the University of California at Los Angeles with the doctor of philosophy degree in African economic history, Dr. Cummings received a Ford Foundation Fellowship to conduct research in Kenya. His research has focused on African economic history and migration.

According to Dr. Beverly Lindsay, assistant professor of education who is serving as conference coordinator, the program should be of value to teachers at all levels, university students, and faculty from a variety of fields in the social sciences and education.

STS discussions planned

A series of Two-Culture Dialogues on "Society's Perceptions of the Energy Problem," which began this month, will continue through April at the State College Hotel.

The luncheon discussions, sponsored and conducted by the Science, Technology and Society (STS) Program, will be held Mondays at noon on the following schedule: April 10, Benjamin Nowak, State College attorney; April 24, Mrs. Robert G. McCarty, area manager, Columbia Gas Co.



Dr. Carl Sagan, who had principal responsibility for placing man's first interstellar message aboard the first spacecraft to leave the solar system, will present the first A. Dixon Johnson Memorial Lecture in Scientific Communication at the University at 8 p.m., Friday, March 31, in Eisenhower Auditorium.

Thalia Trio to play April 5

The Thalia Trio will present its spring concert at 8:30 p.m. on Wednesday, April 5, in the Music Building recital hall. Included in the program will be Beethoven's Trio in C Minor, Opus 1, No. 3, a piece with an interesting history, according to the group's pianist, Robert Baisley.

"Beethoven originally intended to dedicate the work to an admired teacher of his, Joseph Haydn," Mr. Baisley explains. "However, Haydn, when showed the work, didn't like it and refused the dedication."

Beethoven then dedicated the piece to a wealthy local patron, Carl von Lichnowsky. The decision was a financially profitable one, but "the irony of the story," Mr. Baisley says, "is that the Trio has proven to be one of Beethoven's most popular works and history has shown Haydn's judgment of this work to be wrong."

The Trio, which includes Joanne Zagst, violinist, and Leonard Feldman, cellist, will also perform Trio in B minor by Jean-Baptiste Loeillet and Trio in D minor, Opus 32, by Russian composer Antony Arensky.

Cedar Crest Concert Choir to perform with Glee Club

The Penn State Glee Club and the Cedar Crest Concert Choir will perform together at 7:30 p.m. on Sunday, April 2, in the recital hall of the Music Building.

The all women's choir from Cedar Crest College, Allentown, has been awarded second and third place honors in the Eisteddfod International Choral Competition. Appearing with the Royal Philharmonic, the choir represented the United States at the first Festival of Choral in Cardiff, Wales, in 1977. The concert is the choir's first in State College and the final stop of a western Pennsylvania tour.

The Glee Club's opening, "Songs of the Mines," arranged by Bruce Trinkle, director of the group, includes five selections originally sung by Pennsylvania coal miners in the late 19th and early 20th centuries. The special arrangement, in honor of the Glee Club's 90th anniversary, is the first of what Mr. Trinkle hopes will be a continuing series of Pennsylvania folk songs by the group. Accompanying the singers will be Jay Zimmerman, an undergraduate in music education.

The program also includes a selection of English folk songs by the Hi-Lo's, a select group of twelve singers from the Glee Club. A small group from the choir will perform two Elizabethan Madrigals by Thomas Weelkes.

Gipp to speak April 4

Dr. Gerald Gipp, former director of the Native American Administrators Program at Penn State, will speak at the University Park Campus on Tuesday, April 4. His appearance is sponsored by the Native American Education Symposium Series and the College of Education.

Dr. Gipp will speak on the topic, "Politics: Federal, State, and Local Relationships." The lecture is scheduled for 12:30 to 1:30 p.m. at the Hetzel Union Building's assembly hall.

Dr. Gipp is currently deputy commissioner in the Office of Indian Education of the Department of Health, Education, and Welfare. In addition to his work at the federal level, he has held a number of positions in secondary and higher education.

Hersch is Philosophy speaker

The Department of Philosophy will sponsor a lecture by Jeanne Hersch, professor of philosophy at the University of Geneva, Switzerland, at 8 p.m. on Monday, April 3, in Room 101 Kern Bldg. Her topic will be "About Finitude."

Prof. Hersch is internationally known for her lectures and publications in philosophy, politics, and aesthetics. In addition to her translations of Karl Jaspers, her publications include *L'Étre et la Forme*, 1946; *Ideologies et Realité*, 1956; and *Le Droit d'être un Homme*, 1968.

Since 1970, she has been a member of the Executive Council of UNESCO. She is a returning guest at Penn State, having been a visiting professor here in 1958.

Israeli architect to talk

Michael Kuhn, an Israeli architect and town planner, will talk on the "Systemic Approach to Architecture" at 7:30 p.m. on Monday, April 3, in Room 102 Forum Bldg. His talk, which is open to the public, is the third program of the Department of Architecture's Spring Lecture Series.

Mr. Kuhn frequently writes on architecture in developing nations. In Israel his main projects have included design of the Agricultural College Kanot, hotels on the Dead Sea and in Ashdod, and other public buildings. He also planned the new townships of Ofakim and Yeruham; a center for the new town, Kiryat-Gat; and housing schemes for Ashdod.

Mr. Kuhn has served as visiting professor in universities in South America, Scandinavia, and Yugoslavia. In this country he has taught at M.I.T., Virginia Polytechnic Institute and the Universities of California, Maryland and New Mexico.

French poet to speak

Jacques Roubaud, poet, mathematician, and linguist, will give a lecture on "New French Poetry" at 7:30 p.m. on Thursday, April 6, in Room 101 Kern Bldg. He is a professor at the University of Paris (Nanterre) and director of mathematics in that university's Division of Philosophy and Mathematics.

Prof. Roubaud is assistant director of the Center for Comparative Poetry at the University of Paris III, which publishes the *Cahiers de Poétique comparée*. He has published seven books of poetry and translations, including borrowings from the Iapetus, and is also interested in the Theater of the Gail, troubadour poetry, and contemporary American poetry.

The lecture will be sponsored by Beta Chapter of the Romance language honorary society, Phi Sigma Iota, and the Department of French.

(Continued on page 6)

University's Budget Presentation

Editor's note: This is the second of a series of excerpts from Penn State's 1978-79 Budget Presentation booklet, prepared for the State Appropriations Committees. President Oswald appeared before the House of Representatives Committee on March 10 and will appear before the Senate Committee tomorrow (March 31).

THE PROBLEM OF INFLATION

Like other educational institutions, public agencies, and private enterprises, Penn State increasingly has been hard-pressed to cope with the effects of inflation in recent years. Our problem was increased greatly by the lack of any increase in appropriation in 1977-78, which meant, in effect, an actual cut of approximately \$4 million in 1972-73 constant dollars. If no increase in support were to be provided for the second consecutive year, resulting in three years at the same level, it would represent an additional constant dollar cut of approximately \$5 million. Penn State is operating currently with significantly less purchasing power from the Commonwealth appropriation than was available five years ago.

To offset partially the decrease in purchasing power of the Commonwealth appropriation, we have been forced to raise tuition disproportionately higher than the rate of inflation. This included an unprecedented two-stage increase in tuition in 1977-78. With the increases already enacted this year, the 1978-79 tuition for undergraduate students at University Park will be \$1,368, giving Penn State the dubious distinction of having the highest tuition of any public land-grant institution.

A second consecutive year without an appropriation increase would set the University back even further in the battle against inflation. In the five-year period between 1972-73 and 1977-78, the cumulative impact of inflation was 41.3 percent; tuition increased 51.8 percent; and yet, Penn State's appropriation increased by only 29.1 percent.

Unmentioned to this point is the fact that Penn State experienced a significant increase in workload during this period, resulting from an 11.7 percent enrollment increase.

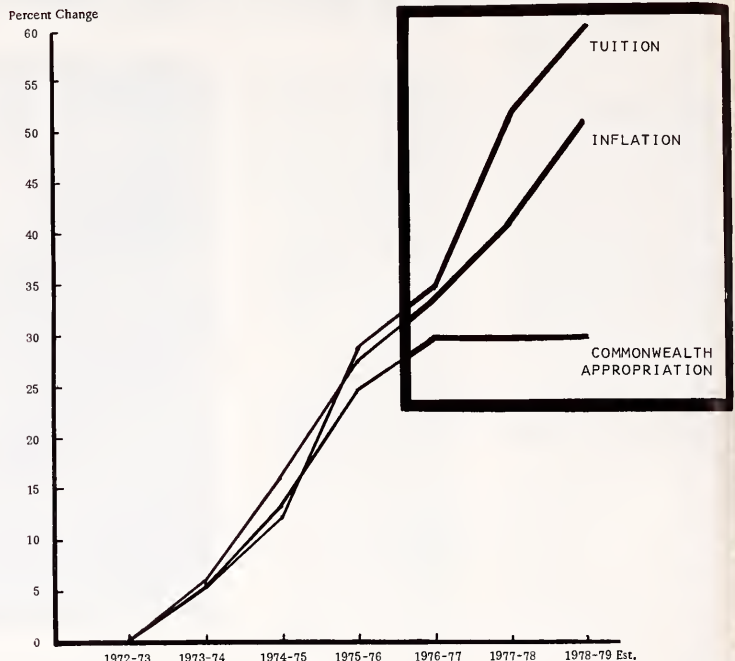
For the six-year period between 1972-73 and 1978-79, the cumulative impact of inflation is 51.2 percent (based on a conservative projected 1978-79 inflation rate of 7.0 percent). With a substantial tuition rate increase already in effect for 1978-79, the cumulative percent change in tuition rates is an astronomical 60.0 percent. With no increase in State support, the cumulative appropriation increase over the same period would be only 29.1 percent.

INTEREST OWED DUE TO DELAY IN STATE APPROPRIATION

In addition to coping with inflationary cost increases, the University has had to deal with a significant unanticipated expense during 1977-78 — interest charges on borrowed funds. Penn State was forced to borrow approximately \$53 million during the period of July through December, 1977, when we were operating without a State appropriation. The accumulated interest owed on these borrowed funds during this same period was \$457,000. The need to borrow funds to maintain normal University operations did not disappear, however, when the Governor signed our Appropriation Bill. Due to cash flow problems, the Commonwealth was able to pay the University only \$15.5 million in December, and Penn State has been receiving only half the regular monthly payment per month since that time.

By April 1, the total appropriation payments due to Penn State will be \$80,069,247. However, under the current

CUMULATIVE PERCENT CHANGE IN TUITION, COMMONWEALTH APPROPRIATION AND INFLATION



Cumulative % Change In	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79 Est.
Inflation	-	5.8	16.4	27.2	33.8	41.3	51.2 (est.)
Tuition	-	5.3	12.3	28.1	34.4	51.8	60.0 ^a
Commonwealth Approp.	-	5.4	13.8	24.2	29.1	29.1	29.1 ^b

Actual Dollar Amounts

	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79 ^a
Tuition	\$ 855	\$ 900	\$ 960	\$ 1 095	\$ 1 149	\$ 1 298	\$ 1 368 ^a
Comm. Approp. (thous.)	\$82,694	\$87,159	\$94,132	\$102,708	\$106,759	\$106,759	\$106,759 ^b

^a Annualization of second 1977-78 Tuition increase implemented in Spring Term 1977.

^b Based on the Governor's Recommendation for 1978-79.

payment schedule, the University will have received only \$28,904,000 by that date. We have not only been unable to pay back the funds borrowed between July and December, but we have had to continue borrowing funds to operate the University. While the Office of the Budget Secretary hopes to provide the remaining back payments in late April, at this very date the University is still incurring interest charges at an average rate of \$3,650 per day. This will result in an estimated interest expense of \$1,042,000 — an expense which could not have been anticipated and one which represents a probable operating deficit for 1977-78.

Copies of Penn State's Budget Presentation Booklet may be obtained by contacting Arthur Ciervo, Office of Public Information and Relations, 312 Old Main (phone 865-7517).

Roundup

(Continued from page 5)

Tomb of Philip II to be discussed

The recent discovery of a tomb believed to be that of Philip II of Macedonia, the father of Alexander the Great, will be the topic of a lecture by a distinguished visiting historian at 8 p.m. on Sunday, April 2, in Room 101 Kern.

N. G. L. Hammond, professor emeritus of Greek at the University of Bristol, will

be the guest of the Departments of Classics and History for an illustrated talk entitled "The Tomb of Philip II of Macedonia."

Prof. Hammond's publications include *A History of Greece* and *A History of Macedonia*, of which a second volume is expected soon. He is currently at work on a memoir of his service as a British liaison officer to the Greek underground during World War II.

Nominations requested for two student awards

Nominations for two student awards have been requested prior to April 8. They are the Eric A. Walker Award and the Ralph Dorn Hetzel Memorial Award, both top honors and both presented at the spring term commencement exercises.

The Hetzel Award, a memorial to the tenth president of the University, recognizes the achievements and potential of outstanding undergraduate students who have demonstrated the qualities of responsible leadership during their college careers and give promise of public spirited achievement in the future. It is given annually to a senior.

The Walker Award honors Dr. Eric A. Walker, 12th president of the University, and recognizes a senior student whose activities and achievements have enhanced the public esteem and renown of Penn State.

Nomination forms are available in the Office of the Vice-President for Student

Affairs, and completed forms should be returned there to the attention of Jane E. McCormick, assistant to the vice-president for student affairs.

Summer arts

(Continued from page 1)

on June 28; the Romeros, a classical-flamenco guitar trio, on July 7; and Broadway a la Carte, a company that performs musical numbers of New York productions over a seven-week schedule, on July 22.

Festival Theatre will offer four productions over a seven-week schedule, including a world premiere of a new one-character play by Sam Galt, Penn State alumnus and author of *Give 'Em Hell, Harry*. Mr. Galt's play will be performed at the University July 27-Aug. 13.

Other plays on the Festival Theatre schedule are: *The Sunshine Boys*, a comedy by Neil Simon, June 22-July 9; *Candide*, a musical by Leonard Bernstein, June 29-July 16; and *Lu Ann Hampton Lacey Oberlander*, the second of Preston Jones' *Texas Trilogy*, July 20-Aug. 6.

Museum of Art summer offerings will include a retrospective of prints and drawings by Mauricio Lasansky and a painting show selected by Paul Shanley, publisher of "Art in America." Contemporary prints from the permanent collection will also be displayed throughout the summer.

Penn State Intercom

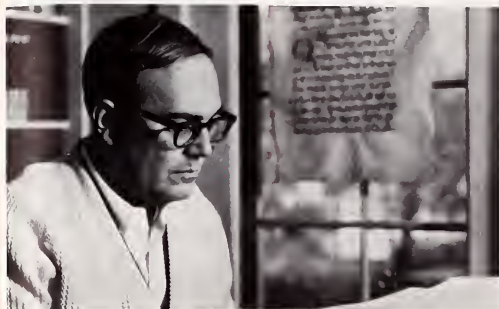
Composer to be in residence

Ezm Laderman, the composer, will be in residence at University Park April 10 and 11 to participate in a festival of his compositions. Two public presentations are planned in conjunction with his visit.

At 8:30 p.m. Monday, April 10, in the

At 7 p.m. Tuesday, April 11, in the HUB assembly room, there will be a showing of *The Black Fox*, a film about Adolph Hitler for which Mr. Laderman composed the Oscar-winning musical score.

The remainder of the program will be



Mr. Laderman

Music Bldg. recital hall, members of the music department faculty will present a concert of Mr. Laderman's works. Included in the program will be "Elegy," for solo viola, performed by Raymond Page; "From the Psalms," a song cycle, with Karen Scott, soprano, and Steven Smith, pianist; "Double Helix," with Overda Page, flutist, Monte Bedford, oboist, and the Alard String Quartet, consisting of Mr. Page, Donald Hopkins and Joanne Zagst, violinists, and Leonard Feldman, cellist; "Meditation on Isaiah," with Mr. Feldman; and String Quartet No. 1, performed by the Alard.

given over to performances of additional compositions by Mr. Laderman.

Mr. Laderman has been the recipient of three Guggenheim grants, the Prix de Rome, a Ford Foundation commission, and, most recently, a prize from the National Endowment for the Arts for his String Quartet No. 5, which the Alard Quartet premiered at Penn State. He is a member of the faculty at SUNY-Binghamton.

His visit to Penn State is being sponsored jointly by the Departments of Music and Theatre and Film.

News in Brief

Aliens must report all address changes

All alien students and Exchange Visitors are reminded that they must report changes of address within ten days of each change using the Alien Change of Address card available at any local post office.

They are also required to report their place of residence each three months, regardless of whether or not they have changed their residence, according to Robert W. Dombrowsky, manager, Personnel Procedures Division.

These reports are in addition to the annual address report due each January.

Confusion about these requirements has arisen, according to Mr. Dombrowsky, because some postal clerks have told aliens that they are no longer in effect. However, the Immigration and Naturalization Service recently issued a notice to the effect that non-immigrants are required to complete the Alien Change of Address Card (Form AR-11) every three months and that visitors, students and Exchange Visitors are included under this requirement.

Failure to comply with the address requirement, Mr. Dombrowsky warns, could subject an alien to deportation proceedings and would be taken into consideration if the alien were to request permission to remain in the United States either in a non-immigrant or immigrant status.

Children's movement class to be offered

A children's movement class will be offered at University Park from 4 to 5 p.m.

each Monday, beginning April 17 and continuing through May 15.

Children in kindergarten through third grade are eligible to enroll. Registration will be held before the first class at 3:45 p.m. in White Bldg.

Basic movement skills, educational gymnastics and games will be taught.

Tutors sought for high school students

The State College Area High School and PTA seeks volunteer tutors for high school students at least one hour each week, according to Rodelle Weintraub, PTA co-president and an assistant professor of English. Subjects where aid is needed are algebra, modern geometry, trigonometry and business math. Those interested should contact Sherry Farrall by phoning 238-0511.

Reserve reading lists due

Reserve reading lists for summer term 1978 should be submitted to the Reserve Reading Room, W11 Pattee, on or before April 20, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes. All reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms, which are available by mail or in person from the Reserve Reading Room, W11 Pattee.

(Continued on page 5)

"Maturity" characterizes Penn State's Hazleton Campus

Editor's note: This is the first of a series of articles describing Penn State Campuses.

"Maturity" is the word Director William J. David likes to use in describing Penn State's Hazleton Campus.

"We have arrived in terms of faculty, staff and physical plant," he says firmly. "Some Campuses are still fighting a battle in their communities to rid themselves of their old extension center image. That battle was won many years ago in Hazleton. We're the Hazleton Campus. In Scranton, when they talk about 'the University,' they mean the University of Scranton. But we are The Pennsylvania State University in this area."

Dr. David believes Penn State's outstanding educational role in the Hazleton community is the result of public confidence in the quality of the Campus's educational offerings. "I think we can reinforce this image best," he says, "by 'bragging' about the quality of our faculty and their accomplishments and about the success of our alumni."

"Six members of our present faculty and 11 of our staff attended the Hazleton Campus. So did eight of the members currently serving on our advisory board."

Dr. David enjoys talking about the accomplishments of Hazleton's faculty.

The chairman of the Faculty Assembly, associate professor of history Harold W. Aurand, is a labor historian and author of the book, *From the Molly Maguires to the United Mine Workers: The Social Ecology of an Industrial Union, 1869-1897*.

Richard S. Paul, associate professor of mathematics, and Ernest F. Haessler, assistant professor of mathematics, are the authors of two textbooks just issued by Reston Publishing Co., *Algebra for College Students* and *Algebra and Trigonometry for College Students*.

"At a Campus," Dr. David says, "faculty face the problem of not only being toponotch in their own fields, but they are also called upon to broaden themselves in other fields when possible. We need 'generalized specialists' — people qualified to teach in a number of areas."

As an example of what he means, Dr. David points to Anthony V. Galanti, associate professor of engineering. Dr. Galanti ran the chemical engineering technology program at Hazleton. When it was phased out, he retraced his own path and now teaches nuclear engineering. He also is called on to teach chemistry, physics and mathematics — and is still expected to develop professionally in his original

(Continued on page 4)



Hazleton's administration building, the former Markle home.

Penn Staters

Robert O. Herrmann, professor of agricultural economics, recently served as an advisor for the U.S. delegation to a conference in Geneva to negotiate an agreement to replace the 1971 International Wheat Agreement. His advising capacity was related to consumer aspects of the agreement. The conference was under the auspices of the United Nations Conference on Trade and Development (UNCTAD). He served as one of the six non-government advisors. There were representatives from the Departments of Agriculture, State and Treasury and the Office of Special Trade.

Dr. Gerard J. Brault, professor of French, was recently elected a Fellow of the Heraldry Society of London. The honor is "in recognition of outstanding achievement in connection with the art and science of heraldry." The Heraldry Society, which currently has some 1,600 members throughout the world, was founded in 1947 to increase and extend interest in and knowledge of heraldry, genealogy, and allied subjects. The Articles of Association stipulate that the number of Fellows shall not exceed 50.

Prof. Brault is internationally known for his research in medieval French language and literature and French-Canadian culture. His book *Early Blazon*, published by Oxford University in 1972, is regarded as the standard reference work on medieval heraldic terminology.

Dr. Jeanne Kostas, assistant professor of psychology at York, presented a lecture at the University of Kentucky recently as part of the University's Institute of Psychology Colloquium Series. She discussed "Lead-Induced Behavioral Disorders: Effects of Neonatal Exposure."

Dr. Robert LaPorte Jr., professor and acting director of the Institute of Public Administration, has been elected to a two-year term on the National Advisory Committee of Amnesty International of the USA. The organization works to stop torture and to encourage humane treatment and fair trials for prisoners in all parts of the world. It also works to gain the freedom of all prisoners of conscience. Dr. LaPorte will serve as a resource person for the committee's work in Pakistan and Bangladesh.

Dr. Z. T. Bieniawski, an internationally recognized authority on rock mechanics and geomechanics, joined the University faculty on March 1 as professor of mineral engineering. He holds a B.Sc. and M.Sc. in mechanical engineering from the University of Witwatersrand and a D.Sc. in mining engineering from the University of Pretoria.

Since 1966 he has been head of the geomechanics division of the Council for Scientific and Industrial Research, South Africa's national research institution. Currently, he is vice president of the International Society for Rock Mechanics (ISRM) and co-president of the International Commission on Standardization of Laboratory and Field Tests on Rock.

Dr. Ray Wahl, professor of vocational industrial education, has been appointed a member of the Board of Examiners of the International Hazard Control Manager Certification Board. In view of increasing worldwide emphasis on safety and health in places of employment, the Certification Board has been created through the efforts of professional organizations, led by the National Safety Management Society, and charged with the responsibility of developing competent safety and health specialists by means of a certification procedure.

Lois Boe Hyslop, professor emerita of French and member of the Institute for the Arts and Humanistic Studies, has been named to the editorial board of *Nineteenth-Century French Studies*, a journal of criticism published quarterly.

Dr. Joseph Jay Rubin, professor of American literature, served as consultant and script editor for a new series of filmstrips on the life and work of poet Walt Whitman. The films, which are now available for high school and university student audiences, were produced by Coronet Media of Chicago, one of the largest of the educational film production companies. With actor Eli Wallach reading selections of Whitman's work, the series begins with the poet's childhood and continues through the Civil War — his great creative period. Filming was done at Civil War battlefields, on Long Island, and in New Orleans and Washington — places that appear frequently in Whitman's poetry.

Jane McCormick, assistant to the vice president for student affairs, has been named one of five recipients of the 1978 Alumnae Achievement Awards of Kappa Kappa Gamma sorority. The award is being made for her contributions to the field of higher education.

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, recently delivered the keynote address at a conference on "The Rhetoric of the Chinese Revolution" at Oregon State University. The conference, which included jurists, legislators, social workers, and academicians who have visited the People's Republic of China since the Cultural Revolution, dealt with changes in Chinese policies and the way they are articulated to the people.

Dr. Betty van der Smitten, professor of recreation, has been elected chairperson-elect of the Mid-Atlantic Region of the American Camping Association. This region encompasses ACA sections in six states. As chairperson she will serve on the National Board of Directors. Dr. van der Smitten is currently a member of the National Standards Board, which administers the extensive program of standards for youth camps throughout the United States. She is also director of the research concerning validity and scoring of the standards.

At the recent convention of the Eastern District Association of Health, Physical Education and Recreation held in Baltimore, Dr. van der Smitten was honored by receiving the "Who's Who in Recreation Award" in recognition of her contributions to the recreation and leisure profession.

Bookshelf

Dr. Simon Belasco, professor of romance linguistics and French, has co-authored a second-year French grammar text. The book, entitled *Scènes et Séjours*, was published by Scott-Foresman. It uses a cognitive approach to the learning of French. The text helps the student to understand the meaning of sentence structures in French by contrasting them with English sentence structures.

Dr. L. Allen Phelps, assistant professor of education, is the major author of a recently published professional text entitled *Career Exploration and Preparation for the Special Needs Learner*. Allyn and Bacon is the publisher.

Gerontology Center funds 14 projects

Fourteen projects have been funded by the Gerontology Center in the College of Human Development as a result of the second year Developmental Grant Program announced last December by the Center.

Faculty were invited to submit proposals for up to \$2500 each in the areas of research, instruction and continuing education/community service.

The program, aimed at stimulating and improving University-wide gerontological research and instructional capacity, attracted 26 proposals. Judging was done by the intercollegiate faculty Academic Committee of the Gerontology Center. Recipients, by College, with their proposal titles, are:

Engineering: Thomas H. Cook, assistant professor of engineering mechanics, Effect of Ultraviolet Radiation on Mechanical Properties of Skin; Luis H. Summers, associate professor of architectural engineering, A Performance Language in Prescription and Assessment of Person-Environment Congruence.

Health, Phys. Ed. & Rec.: Geoffrey C. Godby, associate professor of recreation and parks, Factors Associated with Withdrawal from Leisure Activities by the Elderly; Tonya Toole, instructor in physical education, Aging and the Capacity of Immediate Motor Memory.

Human Development: Robert M. Griffin, associate professor of environmental planning, Development of Scales to Measure Behavioral Predispositions Related to Personal Well-being of Elderly People; Michael A. Smyer, assistant professor of human development, Continuing Education for Mental Health Personnel.

Liberal Arts: John M. Warren, professor of psychology, Neurobehavioral Liability in Old Mice.

Medicine: Gerard D. Kaiser, assistant professor of family and community medicine, A Proposal to Develop a Geriatrics Curriculum at Hershey Medical Center.

Science: Adam Anthony, professor of zoology, Age-related Changes in Neuronal and Glial RNA Synthesis; Edwin V. Gaffney, associate professor of microbiology and cell biology, Human Mammary Epithelial Cell Aging — Establishment of a Cell Bank; Richard L. McCarl, professor of biochemistry, Use of Cultured Cardiac Cells as a Model System of Aging in Post-mitotic Cells; Allen T. Phillips, professor of biochemistry, Neurofibrillary Changes in Senile Dementia.

Human Performance Lab: James L. Hodgson, associate professor of applied psychology, Patricia Mackeen, postdoctoral fellow in human biology, and Elsworth R. Buskirk, professor of applied psychology, Pilot Testing for a Ten-Year Follow-Up of Middle-Aged Male Participants in the Cooperative Study on Physical Activity and Cardiovascular Disease, 1966-1968.

Pennsylvania Transportation Institute: James H. Miller, assistant professor of business logistics, Yupo Chan, assistant professor of civil engineering, and Peter B. Everett, assistant professor of man-environment relations, Development of Research Expertise in Area of Methodological Frameworks for Evaluation of Mass Transportation Systems to Meet Special Needs of Elderly and Handicapped.



And let's hope there won't be any more for a while.

From the Press

About Possession: The Self as Private Property, by John R. Wikse. 156 pages. \$12.95

The author examines modern conceptions of the self with some emphasis given to existentialism and "authenticity." This work looks into the interface between political theory and political psychology. Self concepts are shown to be internalized by modern man in metaphors of private property. Other ideas examined include problems of personal identity and the "behavioral self" and a critique of the "idiot" — in the etymological meaning of a private and separate social station — integrating the ideas of Nietzsche and Marx.

Dr. Wikse is assistant professor of political science at Penn State. He earned his Ph.D. at the University of California at Berkeley and received an award from the Western Political Science Association for his doctoral dissertation.

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University Park Calendar

April 7-16 Special Events

Friday, April 7
College of Business Administration, William Elliot Lecture: A Hasworth Robertson, vice-president, William M. Mercer, Inc., and former chief actuary of the U.S. Social Security Administration, on "The Future of the Social Security System," 9:45 a.m., Keller Conference Center.
Sports: men's track, Nittany Lion Relays: women's lacrosse, vs. Towson, 3 p.m.
Art History Lecture, Walker Cahn, Yale University, on "The Masterpiece in the Middle Ages and the Renaissance," 4 p.m., Room 101 Kern.
New German Cinema, Werner Herzog, *Aguirre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.
Artists Series, Speculum Musicae, 8:30 p.m., Eisenhower Auditorium.
Saturday, April 8
Last date for final oral doctoral examinations for may graduates.
Last date for May graduates to deliver master's theses or papers to advisers.
Ice Skating Special Olympics, 9:30 a.m.-noon, Ice Pavilion.
Eco-Action Recycling Stations open 10 a.m.-3 p.m., Parking Lot 63 (behind the flower gardens) and Roalsburg Fire Hall.
Sports: men's track, Nittany Lion Relays; baseball, vs. Bloomsburg, 1 p.m.
German Club Play, Brecht, *Die Klein-burgheerzeit*, 8 p.m., Room 112 Kern.
UCC Comedy, "House of Assembly," 8 p.m., HUB ballroom.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium. Free.
Sunday, April 9
University Chapel service. Dr. Gayraud S. Wilmore, Colgate Rochester/Bekesy Hall/Crozer, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, History Program, 2 p.m., Mineral Industries Camp, Stone Valley.
Sports: men's tennis, vs. Rochester, 2 p.m.
Jewell Knauer, organ, 3:30 p.m., Music Bldg. recital hall.
Friends of the Museum Gallery Talk, John P. Cushion, Victoria and Albert Museum, on "English Tin-Glazed Earthenware," 4 p.m., Museum of Art.
GSA Concert, County Folk: Saul Broudy with Lew London and Dennis Gormley, 8 p.m., Room 112 Kern.
Artists Series, Lynn Harrell, 'cello, and Paul Schenly, piano, 8:30 p.m., Eisenhower Auditorium.
Monday, April 10
STS Two Cultures Dialogue, "Society's Perceptions of the Energy Problem," Benjamin Novak, State College attorney will speak, noon, State College Hotel.

Cinematheque, Penn, *Little Big Man* (1970), 7 and 9 p.m., HUB assembly hall.
New German Cinema, *Aguirre, the Wrath of God*, 7 and 9 p.m., Room 112 Kern.
Ezra Laderman Festival, 8:30 p.m., Music Bldg. recital hall.
Tuesday, April 11
Occupational and Vocational Studies Lecture. William Halloran, U.S. Office of Education, on "The Development of Career Education for Individuals with Special Needs," 9:30 a.m., Room 101 Kern.
Slide Show, "Pop Art," noon, Kern lobby.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club, Edmund Bendezu, Universidad Nacional de San Marcos, on "APRA Literary Connections."
Native American Education symposium. Harold Gray, education consultant, Missoula, Mont., on "Legal Definition of Equal Education Opportunity for Indian Students," 12:30 p.m., Room 112 Kern.
Comp. Lit. film, *Rules of the Game*, 7 and 9 p.m., Room 112 Kern.
Ezra Laderman Festival, 7 p.m., HUB Assembly hall.
Wednesday, April 12
Sports: men's lacrosse, vs. Franklin and Marshall, 7 p.m., Jeffrey Field.
African Studies Forum. Dr. Okete J. E. Shiroya, Kenyatta University College, Nairobi, Kenya, on "The Development of Modern Education in East Africa: Problems and Prospects," 7:30 p.m., HUB assembly hall.
Commonplace Theatre, *Pattin*, 7:30 and 9:30 p.m., Room 112 Kern.
Comparative Literature Program film, *Ezra Pound: A Poet's Poet*, 8 p.m., Room 151 Willard. Free.
PSU Percussion Ensemble, 8:30 p.m., Music Bldg. recital hall. Free.
Thursday, April 13
History Lecture. Okete Shiroya, Kenyatta University College, Nairobi, Kenya, on "The Development of Nationalism in Colonial Kenya," 2:30 p.m., Room 225 HUB.
Sports: women's lacrosse, vs. Millersville, 3:30 p.m., IM Field.
HUB Candlelight Dinner, "Let's Have a Spring Fling," 4:45-7 p.m., Terrace Room, HUB.
Central Pa. Society of the Archaeological Institute of America, Rev. John Wilkinson, London, on "A New Temple: The Church of the Holy Sepulchre in Jerusalem," 6 p.m., Room 101 Kern.
French Club/French House Play, Moliere, *Le Midecin malgre lui* (The Doctor in Spite of Himself), 8 p.m., Room 112 Kern.
Middle East Studies/UCIP Lecture. Frederick M. Denny, University of Virginia, on "Egypt and the West: Refracted Images," 8 p.m., Room 5-209 Henderson.
Friday, April 14
Sports: men's tennis, vs. Howard, 1 p.m., Nittany Courts; baseball, vs. Howard, 3 p.m., Beaver Field; men's lacrosse, vs. North Carolina, 7 p.m., Jeffrey Field; men's volleyball, vs. East Stroudsburg, 7 p.m., Rec. Bldg.
HUB Candlelight Dinner, "Let's Have a Spring Fling," 4:45-7 p.m., Terrace Room, HUB.
French Club/French House Play, *Le Midecin*

malgre lui (The Doctor in Spite of Himself), 8 p.m., Room 112 Kern.
Artists Series, Cleveland Quartet, 8:30 p.m., Eisenhower Auditorium.
Saturday, April 15
Shaver's Creek Nature Center, Youth Leaders Workshop (registration only — 865-1851), 9 a.m.-noon, Stone Valley.
College of Earth and Mineral Sciences Open House, 1-5 p.m., lobbies of Mineral Industries, Mineral Sciences, Deike and Walker Bldgs.
Sports: women's tennis, vs. Maryland, 2:30 p.m., Nittany Courts; baseball, vs. George Washington (2), 1 p.m., Beaver Field; women's lacrosse, vs. Ursinus, 2:30 p.m., IM Field.
france-cinema, Bergman, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern.
Un-Common Dinner Theatre, *Pierre Pathelin*, 7 p.m., Rooms 101 and 102 Kern.
Miss Penn State Scholarship Pageant, 8 p.m., Eisenhower Auditorium.
Sunday, April 16
University Chapel service. Dr. Joseph Sittler, Lutheran School of Theology, Chicago, 11 a.m., Eisenhower Chapel.
College of Earth and Mineral Sciences Open House, 1-5 p.m., lobbies of Mineral Industries, Mineral Sciences, Deike and Walker Bldgs.
Shaver's Creek Nature Center, Spring Ecology Walk, 2-4 p.m., Stone Valley.
Sports: baseball, vs. Gettysburg, 2 p.m., Beaver Field.
france-cinema, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern.
Un-Common Dinner Theatre, *Pierre Pathelin*, 7 p.m., Rooms 101 and 102 Kern.
Brent Wissick, 'cello, 8:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, April 6
Computation Center, "Fortran Techniques," (2 of 3), 7:30 p.m., Room 105 Osmond.
Monday, April 10
Biochemistry and Biophysics, Andrea Mastro, life sciences, on "Protein Kinases and Phosphorylation of Mammalian Cell Plasma Membranes," 3:55 p.m., Room 101 Allhouse.
Computation Center, "Fortran Techniques," (3 of 3), 7:30 p.m., Room 105 Osmond.
Tuesday, April 11
Applied Research Laboratory, J. W. Holl, aerospace engineering, on "The Influence of Surface Irregularities on Cavitation Performance," 10:45 a.m., Walker Conference Room.
Biochemistry and Biophysics, Andrea Mastro, life sciences, on "Tumor Promoters and Lymphocyte Stimulation," 11:10 a.m., Room 101 Allhouse.
Food Science, M. Keith on "Vitamin C Retention in Home-Canned Apples," 11:10 a.m., Room 201 Borland.
Analytical Chemistry, Steve Ankabrandt on "Differential Pulse Voltammetry of Aqueous Sulfur Dioxide at the Glassy Carbon Rotated Disc Electrode," 1 p.m., Room 339 Davey.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Solid Waste Management, William Bucciarelli, Solid Waste Bureau, Harrisburg, on "Impact of RCRA on the State Solid Waste Activities," 2:20 p.m., Room 128 Sackett.
Chemical Engineering, George D. Shier, Dow Chemical Co., on "Industrial Chemistry — A Chemist's Perspective," 3:45 p.m., Room 140 Fenske.
Genetics, J. Toby Stout on "Animal Cloning," 3:55 p.m., Room 52 Frear.
Plant Pathology, Mark Bookbinder on "The Knotty Roots of Nematology," 3:55 p.m., Room 213 Buckhout.
Microbiology and Cell Biology, Richard L. Warren, Corporate Research Lab., Union Carbide Corp., on "Replication of Fil R Factor in *Proteus mirabilis*," 4 p.m., Room 8 Blythe Sciences.
ASM, Penn State Chapter, W. E. Bryatton, coke making, U.S. Steel Corp., on "Methods of Improving Coke Strength," 7:30 p.m., Room 301 Mineral Industries.
Wednesday, April 12
Rail Transport, L. K. Silcox on "Troubled Trains," 8 a.m., Room 71 Willard.
Thursday, April 13
Ceramic Science, Larry Cadoff, Westinghouse Electric Corp. Research Lab., on "Electrochemical Corrosion of MHD Electrodes," 11 a.m., Room 301 Mineral Industries.
Chemistry, Richard J. Lagow, University of Texas at Austin, on "New Synthetic Methods: Direct Fluorination, Novel Plasma Synthesis, and the Syntheses of Polythium Organic Compounds," 12:45 p.m., Room 333 Whitmore.
Physics, Robert Griffiths, Carnegie-Mellon University, on "An Introduction to Multicritical Points," 3:50 p.m., Room 117 Osmond.
Agronomy, Hung Nguyen on "Wheat Spindle Streak Mosaic Virus Disease in Pennsylvania," 3:55 p.m., Room 111 Tyson.
Meteorology, Vincent J. Oliver, National Environmental Satellite Service, Washington, D.C., on "Recent Developments in the Use of Meteorological Satellites," 3:55 p.m., Room 112 Walker.
Ecology, Eugene S. Morton, U.S. National Zoological Park, University of Maryland, on "Ecology Without Sex in the Tropics," 4 p.m., Room 101 Kern.
Philosophy, Albert Tsugawa, philosophy, on "Literary Categories," 4 p.m., Room 69 Willard.
Microbiology and Cell Biology, Carolyn M. Bergholz, Rush-Presbyterian-St. Luke's Medical Center, Rush University, on "Isolation of a Primate Oncovirus with Altered Envelope Properties," 4 p.m., Room 52 Frear.
Computation Center, "JCL Examples," 7:30 p.m., Room 105 Osmond.
Friday, April 14
Research Applications of Computers, F. T. Baker, IBM, Gathersburg, Md., on "Experiments with a Program Design Language," 1 p.m., Room 325 Whitmore.
Physical Chemistry, David Pratt, University of Pittsburgh, on "Level Anti-crossing on Cross Relaxation Effects in Molecular Crystals," 4 p.m., Room 333 Whitmore.



Photo by Edward Leos, professor of journalism, from show of his work opening April 8 at Kern Commons.



The Campus Library

Hazleton

(Continued from page 1)

discipline — chemical engineering.

"One of our philosophy instructors, Richard Campbell, teaches physical education sections in karate," Dr. David continues. "It's purely a donation since we don't consider it part of his regular teaching load."

"Dr. Michael Santulli, an associate professor of philosophy, is another example of a professor with a wide range of interests. He was a high school chemistry teacher and is extremely knowledgeable about the impact of technology on our society."

Hazleton is fortunate both in its faculty and its physical facilities.

It is the closest residential campus to New Jersey and eastern New York state, Dr. David points out, and the only "full fledged" residential campus in the eastern part of Pennsylvania (Schuylkill Campus only houses women in its residence halls).

Situated on a wooded hillside, the Campus was founded in 1934, in response to requests from local citizenry who couldn't afford to send their children away to school. Classes opened on the fourth floor of the Markle Bldg. in downtown Hazleton. The Campus almost closed down during World War II, but in 1949 the University was given an opportunity to purchase the estates of Alvin Markle and his son, Donald, members of a local family who had made their fortune in banking, coal mining, timber and railroading.

The son's house was torn down in 1972 — it had never been used by the Campus and M&O decided it was too expensive to maintain. But the administrative center of the present Campus is located in the senior Markle's house. Recently, the living room was restored and opened as a visitors' lounge. The original ornate dining room furniture, with hand carved dark oak sideboards and chairs, was removed from storage to grace the room.

The Campus's residence halls accommodate 220 students. There is a

total student enrollment of around 950, 200 of whom are associate degree candidates; 120, provisional students; and 630, baccalaureate degree candidates. About 500 or 600 persons enroll in Continuing Education evening programs, and the faculty numbers 43.

The Campus also has a classroom-laboratory building, a two-level library, and a dining hall. But at the moment it is proudest of its brand new physical education building, a \$3 million facility containing an Olympic size swimming pool, bowling alleys, a gym which can seat 1,500 persons and a variety of exercise and training rooms.

The building was originally approved because at one time Hazleton was slated to achieve four-year status, Dr. David explains. And trying to operate it illustrates the breadth required not just of Commonwealth Campus faculty but also of their directors. Dr. David may find himself at one minute dealing with such problems as bowling lane maintenance and the bromine content of the pool, and the next discussing basic skills programs with his English faculty or trying to resolve scheduling conflicts between residential and continuing education.

"It's helpful to have had a background in engineering," Dr. David notes. Appointed as director in 1973, he has a B.S. in mechanical engineering from Wayne State, a master of automotive engineering from Chrysler Institute of Engineering, and a Ph.D. in higher education from the University of Michigan. Before he came to Hazleton, he was an assistant dean in the College of Engineering at Wayne State.

Enrollments are holding steady thus far at Hazleton — the Campus has had no empty seats in its classrooms during the past two years, and Dr. David is hopeful that the new physical education facilities and the residence halls can be adapted for summer sports clinics and physical conditioning programs.

"Our faculty and staff are aware of what the future holds in terms of declining enrollments," he says, "but we think we're well prepared to combat them."

Resolution of Student Classroom Problems

Editor's note: Faculty are reminded of the following guidelines, which were originally prepared by the University Council and distributed by President Oswald for implementation effective Sept. 1, 1975.

Students are occasionally confronted with classroom situations (exclusive of grades and grading) which may cause them concern and/or inconvenience. These may include possible:

— Failure of a faculty member or administrator to uphold the University policies such as prohibition of smoking in classrooms, prohibition on scheduling of comprehensive examinations on the last class period, early completion of terms, and others;

— Failure of a faculty member to fulfill his or her instructional obligation, such as unjustified cancellation of classes, frequent absenteeism or late arrival, failure to keep designated office hours, inappropriate substitution of teaching assistants, and others.

A student who feels that a problem exists has several avenues of appeal. The avenue chosen by a student will depend on the type of problem encountered and the personal wishes of the student.

Resolution of most problems may be achieved by discussing the matter with the faculty member directly involved, with the department head and/or with the student's advisor.

However, a student who, because of the nature of the problem or for any other reason, feels the avenues mentioned above are inappropriate, may seek recourse through the office of the appropriate Associate or Assistant Dean of the College or Division (listed at the end of this statement) in which he or she is enrolled.

Students may use this channel of communication with assurance that confidentiality will be maintained as appropriate. That is, only information required to pursue a course of action as requested, or consented to, by the student in writing will be disclosed.

Matters dealing with course grades and grading should be dealt with between the student and his or her instructor as outlined in Faculty Senate Rule M-1.

The following College and Commonwealth Campus offices are prepared to assist students with classroom problems of the types listed:

COLLEGE OR DIVISION	DEAN TO CONTACT	OFFICE	TELEPHONE
Agriculture	Jerome F. Pato	217 Ag. Admin.	865-7521
Arts & Architecture	William J. McHale	116 Arts Bldg.	865-9523
Behrend College	Thomas G. Fox	Administration Bldg.	899-3101
		Ext. 240	
Business Administration	William S. Decker	110 Business Admin.	865-3475
Capitol Campus	Duane R. Smith	W-205 Admin. Bldg.	787-1616
Earth & Mineral Sciences	E. Willard Miller	101 Mineral Sciences	865-6335
Education	A. Madison Brewer	278 Chambers	865-2523
Engineering	Walter G. Braun	101 Hammond	865-2151
Health, Physical Education & Recreation	Karl G. Stoeckel	275 Recreation	865-0407
Human Development	Louise Greer	103 Human Development	865-1424
Liberal Arts	John Romano	138 Sparks	865-2545
Medicine	Cheston M. Berlin, Jr.	Hershey — Room C726	534-8412
Science	Norman Freed	338 Davey Lab	863-0783
Undergraduate Studies	John H. Wyckoff	109 Orange	865-7576
Graduate School	Ernest H. Ludwig	211B Kern	865-1834
CAMPUSES	CONTACT	OFFICE	TELEPHONE
Allentown	J. V. Cooney	Fogelsville School Bldg.	395-6851
Altoona	D. Fahline (Interim ADA)	111 Smith Bldg.	944-4547
Beaver	A. J. Meta	119 Administration Bldg.	775-8830
Berks	A. W. Moberly	136 Luerssen Bldg.	375-4211
Delaware County	Stephen Cimbala	311B Main Bldg.	565-3300
		Ext. 51	
DuBois	Jacqueline Schoch	22 Mansion Bldg.	371-2800
Fayette	Stephen M. Priselac	105 Res. Instr. Off.	437-2801
Hazleton	William E. Schneider	Administration Bldg.	454-8731
		Ext. 48	
McKeesport	Jacqueline Wells (Interim ADA)	102C Classroom Bldg.	678-9501
Mont Alto	George N. Fayette	Science Hall	Ext. 213
New Kensington	Roy Myers (Interim ADA)	Administration Bldg.	749-3111
Ogontz	Sanford F. Nicol	119 Sutherland Bldg.	339-7119
		Ext. 231	
Schuylkill	Anthony F. Land	102 Administration Bldg.	385-4500
		Ext. 28	
Shenango Valley	Wayne D. Lammie	203 Sharon Hall	981-1640
		Ext. 33	
Wilkes-Barre	G. W. Bierly	204 Hayfield Bldg.	675-2171
Worthington Scranton	Ralph L. Mastriani	103 Administration-Classroom Bldg.	961-4771
York	Oscar E. Fox	Main Bldg.	846-8828

WPSX Highlights

Liv Ullman and Erland Josephson star in the repeat broadcast of Ingmar Bergman's acclaimed film, *Scenes from a Marriage*. The six-part series, which begins Saturday, April 8, at 11 p.m., follows an "ideal" middle class marriage over a ten year period.

Firing Line features a lively exchange of opinion on the Alger Hiss case Sunday, April 9, at 5 p.m. Joining William F. Buckley Jr. for the discussion are Allen Weinstein of Smith College, who is the author of *Perjury: The Hiss-Chambers Case*, and Athan Theoharis of Marquette University.

Nova makes a year-long study of the life and rhythm of a Massachusetts pond on

"Still Waters," Wednesday, April 12, at 8 p.m. The documentary shows how the pond's creatures adapt to seasonal changes in, on, under, around and above the water.

Members of the Hartford State Company are featured in a performance of American playwright Edward Albee's *All Over*, Wednesday, April 12, at 9 p.m. on **Great Performances: Theater in America**. The play centers around a family which has gathered to await the death of its celebrated patriarch.

Superpower diplomacy is the subject for the next debate on *The Advocates*, Thursday, April 13, at 9 p.m. Participants will present views on the question, "Should the U.S. abandon detente as its strategy in dealing with the Soviet Union?"



Residence hall, foreground, dining hall at rear.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed, although names will be withheld on request.

Q. People often ask whether the University, by law, is required to recruit a certain number of minority students under Affirmative Action or any other federal programs. Could you comment?

Jane M. Singh

A. The University has an affirmative action plan approved by the Department of Health, Education, and Welfare. The plan is specifically required under federal rules and regulations. It must include specific targets for minority and female representation among the regular employees of the University where underutilization is determined. Affirmative action is required to achieve these goals and to maintain equal employment opportunity.

There is no similar requirement for minority or female representation among students. Penn State has voluntarily initiated programs to improve minority and female enrollment at the undergraduate and graduate levels. These programs are funded from within the University. Additionally, affirmative steps are in progress to assure equal access and use of facilities and education programs for disabled veterans and the handicapped.

William W. Asbury
Affirmative Action Officer
and Assistant to the Provost

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since these questions are of general interest to the University community, we are running answers to them in INTER-COM.

QUESTION:

Why is a 25-30% surcharge put on materials which are departmentally produced for selling in the Bookstore when this is the only way (Policy AD-15) that such materials can be distributed? Why was it felt necessary to make so strict a policy to correct a few abuses?

ANSWER:

The Penn State Bookstore on University Park Campus is operated as an auxiliary enterprise. As such, the total expense of this service operation must be met from sales income. The expenses include: salaries, wages, fringe benefits, unemployment compensation, amortization of space and equipment, rent, utilities, freight, supplies, etc. In order to meet this expense all items sold in the bookstore are marked up over cost.

Materials which are departmentally produced for sale in the Bookstore are marked up in line with new text books received from the publishing houses. In addition to the expenses indicated above, the Bookstore also absorbs the cost of handling and coordinating shipments of these materials to the Commonwealth Campus Bookstores and provides storage between term sales. These materials are usually produced in quantities sufficient for a minimum of one academic year.

The Penn State Bookstore began handling these departmentally produced materials at the request of various academic departments shortly after it began operations in 1973. Policy AD-15 was instituted by the Office of the Provost in 1976. The intent of this policy, which also includes course fees charged by academic departments, was to ease the burden of past and present increases in tuition upon the students, as well as to attempt to provide for better cash control within the University system.

John Bischoff
Bookstore Manager

QUESTION:

What have been the changes in regulations for Fleet Operations retention and service of vehicles? A definite downward trend in the quality of the vehicles has been noted by all. However, the cooperation of the division is excellent.

ANSWER:

Budgetary constraints, increased costs, and energy conservation have caused a reassessment of the optimum service life of fleet vehicles. Vehicles formerly traded with low mileage are now utilized through higher mileage and normally sold through Surplus and Salvage. There have been no changes in the maintenance schedules for fleet vehicles except those recommended by the manufacturers. All vehicles are regularly maintained as in the past.

While this shift in operating and marketing procedures has reflected a substantial cost savings to the University, it is possible some have felt that quality has diminished. It is also quite possible that the perceived falloff in quality is associated with some of the new car purchases. The lighter, more fuel efficient cars with a variety of emission control features do not have the solid, "big car feel" to which many fleet customers have become accustomed. Domestic automobile manufacturers are attempting to correct this shortcoming while concurrently sizing down their cars and improving engine efficiency. Our goal is to have a cross section of various sized vehicles to suit the varying needs of our customers. In order to achieve this goal, lighter vehicles have been purchased for the past several years. Future purchases will include full-sized, intermediate, and compact vehicles.

Office of Business Services
Fleet Operations

Arts Roundup

Leos photos at Kern

Photographs by Edward Leos, professor of journalism, will be on exhibit at the Kern Graduate Commons Gallery April 8-29. The show is entitled "Five Prologues and an Introduction."

In 1976, Prof. Leos was named photojournalism teacher/photographer of the year by the American Association for Education in America. His interest in the "naive" photographer has led to several previous exhibits, one the result of a project involving three- and four-year-old camera users. Mr. Leos is also the discoverer of Horace Engle, an 1880s pioneer of candid photography.

Commons gallery hours are from 8 a.m. to 11 p.m. Monday through Saturday and from noon to 11 p.m. Sunday.

Kern Dinner Theatre

The Kern Dinner Theatre and the Department of Theatre and Film will present the medieval French farce, *Pierre Pathelin: A Feast of Comedy and Song*, at 7 p.m., Saturday and Sunday, April 15 and 16.

The farce describes the antics of a charming and clever rascal, Pierre Pathelin, who makes his living by outwitting his fellow men. Original music and lyrics by T. Spivey and Nancy Kelly will be performed by the cast of ten players. A company of jesters will entertain between acts.

The comedy is an original translation by Alan E. Knight, associate professor of French, and will be directed by William J. Kelly, instructor in theatre arts.

The dinner, to be prepared by members of Penn State's Hotel and Restaurant Society, will differ from previous Kern presentations in that the courses will be served between the acts of the play. The menu will consist of Vichyssoise, Beef Bourguignon, Spinach Salad, and Pears Flambee. A limited number of spectator

News in brief

(Continued from page 1)



Holy Sepulchre facade before 1914.

Church is lecture topic

"A New Temple: The Church of the Holy Sepulchre in Jerusalem" is the topic of a lecture to be given by the Rev. John Wilkinson of the Episcopal Diocese of London at 8 p.m. Thursday, April 13, in Room 101 Kern Bldg. The lecture is being sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Recent examination of the Church of the Holy Sepulchre during the course of its restoration has brought new knowledge of its origins and history. Founded by the Emperor Constantine, it was developed by the Christian community in Jerusalem as a Christian successor to the Jewish Temple.

Rev. Wilkinson has done special research and teaching on the archaeology of the New Testament and, as a result of nine years of exploration in the Holy Land, has written on the Early Christian and Byzantine periods in that area. His publications include *Egeria's Travels*, *A New Translation with Notes*; *Ancient Jerusalem, Its Water Supply and Population*; *The Streets of Jerusalem*; and *Jerusalem Pilgrims Before the Crusades*.

Denny to discuss Egypt and the West

Dr. Frederick M. Denny, assistant professor of religious studies at the University of Virginia, will speak on "Egypt and the West: Refracted Images" at 8 p.m. Thursday, April 13, in Room 5209 Human Development.

Dr. Denny spent the academic year 1976-77 in Egypt as a fellow of the National Endowment for the Humanities doing field research on Qur'an recitation and other current Islamic ritual practice. He is a director of an American Council of Learned Societies' project on teaching materials in Islamic civilization.

seats (without dinner) will also be available.

For information and reservations, contact the Information Desk at Kern 865-1878. Dinner theatre seats are \$6.50 per person, theatre seats, \$2.

Percussion ensemble to appear April 12

The University's Percussion Ensemble will present its Spring Concert at 8:30 p.m. Wednesday, April 12, in the Music Bldg. recital hall.

A small group from the Ensemble, the Percussion Quartet, will play Concert Suite for Flute and Percussion by French composer Andre Jolivet. Included in the performance by the larger ensemble of 12 members will be "Cataphenics," by Symphony No. 1 for Percussion, by

His visit to the University is sponsored by the Committee on Middle East Studies, the Department of Religious Studies and UCIP.

Former Vietnam War prisoner to speak

Col. Carlyle S. Harris, an Air Force pilot who became the sixth American prisoner-of-war in North Vietnam, will speak on "Leadership in a POW Environment" Wednesday, April 19. His talk, which is sponsored by the Penn State Air Force ROTC unit, is scheduled for 8 p.m. in Room 105 Forum Bldg. It is open to the public.

Col. Harris, who completed his master's degree at Auburn University, is presently chief of curriculum planning at the Air War College. He entered the Air Force in 1951, was shot down in North Vietnam in April 1965, and was one of the prisoners in the infamous July 1966 "Hanoi March." He was held in numerous prisoner-of-war camps, including the Son Tay Camp, which was raided by U.S. forces after the North Vietnamese had removed all prisoners.

Separate phone numbers assigned coordinators

Eight conference coordinators who previously shared a common telephone number can now be reached at separate numbers, according to Richard M. Bunnell, director of the J. Orvis Keller Conference Center.

Faculty and staff members needing to contact the coordinators are asked to make note of the new numbers. They are: Kent Addis, 865-7911; Ronald Avillion, 865-0313; Robert Beam, 865-5141; Patricia Bodman, 865-9173; Mary Kay Falck, 865-8820; Howard Finney, 865-4591; Norman Lathbury, 863-1743; and Wally Lester, 863-3211.

The coordinators had shared a common number, 865-7557, which remains in effect for all other members of the Keller Conference Center staff.

Elm spraying Monday

The annual spraying of American elm trees at University Park for control of Dutch elm disease is scheduled to begin Monday, April 10. This date may change because of weather conditions since spraying is normally done when temperatures are over 40°F and wind conditions are relatively calm.

Spraying is carried out between 5 p.m. and 6 a.m. and is usually finished within two weeks under ideal conditions. The spray materials being used have been approved by the Pesticides Committee in the College of Agriculture.

A Physical Plant spokesman said that any overspray which settles on a car should be removed promptly with soap (detergent) and water, since delay increases the removal problem.

Anthony J. Crone; "Jazz Variants," by John Beck; and "Pas de Deux," by Armand Russell.

Ceramics expert to talk at Museum

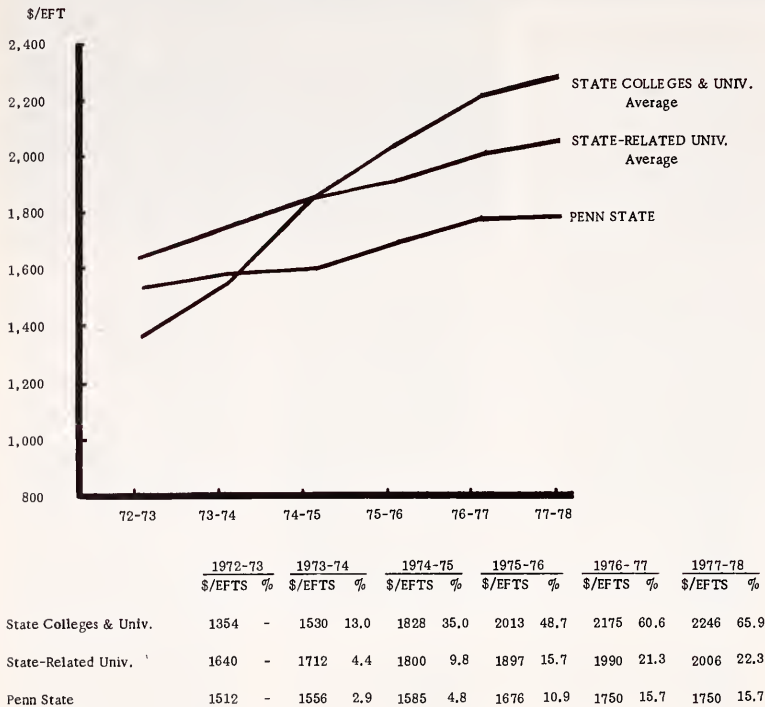
John P. Cushion, a well known lecturer on pottery and porcelain and former senior research officer of the Victoria and Albert Museum, will deliver an illustrated lecture on "English Tin-Glazed Earthenware" at 4 p.m. Sunday, April 9, in the Museum of Art. His presentation is being sponsored by the Friends of the Museum of Art.

Tin glazing is a technique that produces an opaque colored finish that is characteristic of such forms of earthenware as faience and English delftware.

The process was first discovered in Faenza, Italy, where local glazing

(Continued on page 6)

STATE APPROPRIATION SUPPORT PER EQUIVALENT FULL-TIME STUDENT (EFTS)



NOTE: Percentages are cumulative.

Penn State's 1978-79 Budget Presentation

Editor's note: President Oswald testified March 31 before the Senate Appropriations Committee, asking for a reassessment of priorities and equitable treatment for the University in the Governor's proposed budget for 1978-79. INTERCOM is reprinting excerpts from the University's Budget Presentation booklet, which was prepared for the House and Senate Committees. Dr. Oswald appeared before the House Committee on March 10. This is the third of the five-part series.

STATE APPROPRIATION PER STUDENT: PENN STATE IS LOWEST

Penn State is the largest institution of higher education in the Commonwealth. On a per student basis, however, Penn State's appropriation is the lowest of any four-year public college or university in Pennsylvania. In 1977-78, the overall average State appropriation per student for Pennsylvania's four-year public colleges and universities was \$2,100; the appropriation per student for Penn State was \$1,750, or 16.6 percent less. To increase Penn State's appropriation per student to the State average, an additional \$350 for each Penn State student would be required.

Penn State's average cost to the Commonwealth of \$1,750 per student is based upon the total appropriation, including not only Instruction but also Agricultural Research and Cooperative Extension, Other Organized Research, Student Aid, and Medical Education. Penn State carries special responsibilities for certain of these functions not carried by other institutions. If support for these special functions were excluded from the

support-per-student calculations, Penn State receives only \$1,340 per student, or 36.2 percent less than the State average.

The chart shows the extent to which Penn State is underfunded in comparison with other state-related and state-owned institutions.

A QUESTION OF PRIORITIES

Within the State:

The Governor's 1978-79 Executive Budget states that approximately 70 percent of the budget increase is directed toward "mandated" programs and, therefore, priority consideration must be given to these areas; yet no provision is made for the "mandated" cost increases facing Penn State. The Governor states that there are no provisions for salary increases for State employees; yet, within individual agency budgets, provision is made for annual Civil Service step increases (5.0%) for substantial numbers of State employees (estimated to be 45 percent of the employees). The recommended appropriation level in the Governor's budget does not allow for any salary adjustments for college and university employees. When looking at priorities it is important to note that 18 of 32 agencies/offices are listed for percentage increases higher than the overall percent increase of 7.2 percent in the General Fund Budget at the same time higher education is recommended for no increase:

1. State Police (28.4%)
2. SERS (27.8%)
3. Commerce (16.4%)
4. Treasury (15.8%)
5. General Services (14.8%)

6. Public Welfare (13.5%)
7. Transportation (12.9%)
8. Executive Offices (10.7%)
9. Historical and Museum Commission (10.6%)
10. Justice (9.7%)
11. Probation and Parole (8.9%)
12. State (8.2%)
13. Lieutenant Governor (8.0%)
14. Education (General Government only (7.9%))
15. Environmental Resources (7.9%)
16. Governor's Office (7.8%)
17. Auditor General (7.5%)
18. Tax Equalization Board (7.4%)

Higher Education (0.0%) — for second year in a row

Copies of Penn State's Budget Presentation Booklet may be obtained by contacting Arthur Cierro, Office of Public Information and Relations, 312 Old Main (phone 865-7517).

Funding Sources

For further information, call 865-1372

(08-1) Three NSF programs have a July 7, 1978, "target date" (cutoff date for review): Ecological Sciences Proposals (Dr. Robert McIntosh 202-632-7324), Population Biology and Physiological Ecology Proposals (Donald Kaufman 202-632-7317), and Systematic Biology Proposals (Dr. Jason Lillegren 202-632-5846). (Ref. NSF Bulletin March 1978)

(08-2) Experimental Projects for the Improvement of Science Education Resources are funded by the NSF. The program includes undergraduate science education, information dissemination, science and engineering resource center, and equipment. Contact Dr. Alfred F. Borg, 202-282-7777.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curbs. All employees who are interested in promotion may apply by calling the Employment Division, 380-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Apr. 13. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT AUDITOR — CONTROLLER'S OFFICE, University Park. Responsible to the Audit Manager for performing limited scope audits and assisting in larger audits to appraise: extent of compliance with University policies and procedures; adequacy and reliability of records and management information reports; soundness and adequacy of accounting, financial, and other operating controls; and safeguarding of assets within any of the diverse operational, financial, and administrative functions or organizations of the University as directed by and under the supervision of the Audit Manager or the Auditor in charge of assigned audits. Bachelor's degree (or equivalent) in accounting or related field, plus over one year of directly related experience in auditing or accounting areas.

SENIOR SYSTEMS PROGRAMMER — INTER-COLLEGE RESEARCH PROGRAMS, University Park. Responsible to the Manager of the Maintenance and Evaluation Group in the Computer Center for maintenance of large IBM operating systems. Analyzes software system failures, generates new releases of operating systems and communication controller software, and monitors utilization of current resources. Develops and documents operating procedures. Collects and reduces information relative to system performance. Prepares, integrates, and tests operating system enhancements. A bachelor's degree in computer science, plus two years' experience in systems programming on a large IBM system. A thorough knowledge of assembler language is mandatory. The applicant must have experience in system generation/modification and a knowledge of operating system concepts.

ASSISTANT HEAD, MANAGEMENT DEVELOPMENT SERVICES — CONTINUING EDUCATION, University Park. With minimum direction from the Head of Management Development Services, initiate broad programs of management development and supervise all management development professional and clerical personnel. Develop, implement, and evaluate academic content of management development educational activities; assign faculty, observe and evaluate faculty performance; recruit full- and part-time faculty; provide leadership in promoting Management Development Services throughout the Commonwealth; develop management education proposals; prepare appropriate reports; teach in management program as time permits. A master's degree with at least five years of related experience in management education, business or industrial management. Experience in working with people, supervision and program administration necessary. Education background and experience sufficient to secure academic rank is desirable.

Arts roundup

(Continued from page 5)

materials contained tin oxides. Tin oxides produce a glaze that is opaque and this opacity distinguishes tin glazing from other kinds of surface treatment.

Mr. Cushion is the author of several books, including *Pocket Book of British Ceramic Marks*, *Animals in Pottery and Porcelain* and *Pottery and Porcelain Tableware*.

Symphony to play Beethoven's "Pastorale"

The Penn State Symphony Orchestra will present its spring concert at 8:30 p.m. Saturday, April 8, in Eisenhower Auditorium.

The program will include the Overture from Wagner's *Die Meistersinger*, Piano Concerto in C Minor by Rachmaninoff, and Beethoven's Symphony No. 6 in F Major, *Pastorale*.

D. Douglas Miller, orchestra conductor and associate professor of music at the University, says he chose *Pastorale* because its theme is appropriate for spring.

Penn State Intercom

News in Brief

Berks Campus campaign passes \$1 million mark

The Partners in Progress campaign at the Berks Campus has succeeded in raising \$1,174,631 for the construction of a new Human Resources building on the Spring Township campus.

Nearly 800 individuals, businesses and foundations in Reading and Berks County have contributed gifts and three-year pledges of support ranging from \$5 to \$100,000.

Local corporate, business and foundation pledges have been especially generous, according to Howard O. Beaver Jr., general chairman of the campaign. The chairman of the Leadership Division of the campaign, which was charged with solicitation of major industries and foundations, was Joseph Snook, chairman of the Bank of Pennsylvania Board of Directors.

Mr. Beaver, while thanking the more than 350 volunteer workers for the campaign, also urged them to continue their efforts to secure additional pledges.

"We have been trying for nearly six months to build a \$1 million physical education/convention center that will complete the basic 'core' facilities of the campus," Mr. Beaver said. "But in order to construct the best possible building, we have to surpass our \$1 million mark by a comfortable margin."

Additional pledges will cover site preparation and design costs, leaving a larger sum for "bricks and mortar."

Colloquy bringing Michener, Rudolph

Author James A. Michener will open Colloquy's week-long "Sports in America" program at 8 p.m. Monday, April 17, in Eisenhower Auditorium. His talk is free, but tickets should be obtained at the HUB desk either today or tomorrow (April 13-14).

Mr. Michener's most recent book is *Sports in America*. He is the author of a number of best-selling novels, among them *Hawaii* and *Centennial*.

Colloquy's second speaker will be Wilma Rudolph, the Olympic champion runner. Her talk is scheduled at 8 p.m. Monday, April 24, in Eisenhower, and tickets will be available at the HUB desk April 18 through 24.

Other workshops and talks planned for the program include Dr. John A. Lucas, professor of physical education, speaking on "The 1980 Olympics," at 2:15 p.m. April 17 in the HUB main lounge. Dr. Dorothy V. Harris, professor of physical education, will discuss "The Essence of Sport" at 1 p.m. April 19, also in the HUB main lounge.

APL seminars begin April 25

The Penn State Computation Center, long known for its excellent batch system, also offers one of the finest interactive programming languages, APL.

Faculty and staff having tasks which they suspect might be able to use interactive computing can find out more about APL by attending a seminar series which will be offered spring term

Tuesdays and Thursdays, April 25 and 27 and May 2, 4, 9 and 11. All sessions start at 7:30 p.m. in Room 201 Business Administration Bldg.

APL is easy to learn and use because it has simple, uniform rules of syntax, a free-form decimal input for numeric data, a large set of primitive functions, and array operations. In addition, its "user-defined" functions (programs) are straight-forward extensions to primitives. It allows easy use of a wide number of existing library functions (programs) and an immediate execution mode completely free of irrelevant key words. It also has many fewer lines; APL functions typically have 1/10 or fewer statements than other languages.

Power savings urged

Although the stringent conservation methods put into effect at the University because of the critical electrical situation have now been relaxed, University officials are requesting continuance of the restraints as a part of Penn State's overall energy and cost savings program.

The request was made in Electrical Emergency Bulletin No. 3, issued by the Executive Energy Conservation Committee. It was signed by committee chairman Ralph E. Zilly, vice-president for business.

The West Penn Power Co. on April 1 informed the University that all mandatory restrictions on electrical use have been removed.

In his letter, Mr. Zilly pointed out that the cost of fuel and energy purchased by the University continue to rise. The cost of coal recently increased 10 percent. The surcharge authorized for West Penn Power Co. by the Public Utility Commission will have a significant impact on University electrical costs during the next several months, and this probably will be followed by a rate increase.

Since the University for the most part can operate effectively at reduced levels of energy consumption, work areas and classrooms will be kept at approximately 68°F when occupied, and necessary ventilation will be supplied. Storage areas and other work areas when unoccupied should not exceed 55°F and related ventilation will not be provided.

Full cooperation from students, faculty and staff enabled the University to exceed the 25 percent electrical reduction goal during the extended term break, Mr. Zilly said, and to achieve a 10 percent reduction goal since that time.

He also asked continued cooperation in reporting any necessary repairs promptly to the Physical Plant Service Desk (865-4731).

(Continued on page 4)

Senate establishes minimum retention, transfer standards

The University Faculty Senate approved legislation setting minimum standards for the retention and transfer of students in Colleges and majors at its April 4 meeting.

Under the new legislation, the minimum standard for transfer will be a 2.00 cumulative average for all University courses. The minimum standards for retention will be those listed in the current "drop rule," Rule 54-52.

Program faculty, with the approval of their dean and the Faculty Senate, may establish more restrictive standards for transfer or retention based on academic criteria. Such standards should be submitted to the appropriate dean for approval and then to the Senate Committee on Undergraduate Instruction. Ultimately, they must be approved by the Faculty Senate.

According to Dr. E. Willard Miller, chairman of the Subcommittee on Retention and Transfer Policies, the fundamental principle behind the new legislation was equity. Dr. Miller, associate dean for resident instruction in the College of Earth and Mineral Sciences, also pointed out that the legislation includes an academic checkpoint for students entering a major that has not existed in the past.

The new legislation, as amended by Dr. George Franz, assistant professor of history at the Delaware County Campus, provides that a student enrolled in a College must gain entrance to a major prior to his seventh term to continue as a degree candidate. Dr. Franz, chairman of the Committee on Undergraduate Instruction, asked that all program faculty who intend to apply for additional restrictive standards do so as soon as possible, to assist the committee in implementing the new rule. (For more complete coverage of the new legislation, see the March 30 INTERCOM.)

President Oswald spoke briefly about what he called two of the highest priorities currently receiving his attention, the University's 1978-79 funding and Penn State's overall planning efforts. Dr. Oswald noted that during the month of March he appeared before the House of Representatives and Senate Appropriations Committees of the Pennsylvania Legislature.

Referring to the University's Budget Presentation booklet on which his appearances before those committees were based, he said the following quotation best sums up the University's position:

"As we speak of the Governor's

proposed budget we are, of course, aware of Pennsylvania's overall situation and fiscal limitations; and we are not proposing any increase in the overall magnitude of the State budget. Our basic and over-riding position throughout this document relates to the need for reassessing the priorities and for reasonable equity within this budget."

Dr. Oswald noted that the original budget proposed by Governor Shapp in February called for no increase in funding for higher education for the third year in a row, a situation he called "terribly alarming." He added, however, that he was encouraged by revisions to that budget currently being considered by the House Appropriations Committee that would add about \$5 million to the University's appropriation.

Following his remarks, Dr. Oswald was asked about a recent article in *The Daily Collegian* that referred to the possibility of a change to the semester system in the University's calendar.

He said such a change has been discussed informally by the Faculty Advisory Committee, the Senate Council, and other groups, but that there was no plan for action at this time. The finances of a change to the semester system, he said, are under consideration.

In other action, the Senate approved a proposal for rewording Senate Policy 34-58, which deals with course availability. The change strengthens the recommendation that students of lower term rank, but for whom a popular course is a requirement, be given priority in registration over students for whom the course is not required.

Also approved was a change in Senate Policy 54-20, which deals with academic warning. It specifies that a student whose grade-point average drops below the 2.00 minimum cumulative average for graduation will receive academic warning, unless drop action is taken under other policies.

In addition, the Senate received an informational report on several special admissions programs and approved a policy for regular reporting on such programs.

Dr. Eugene R. Melander, assistant vice president for undergraduate studies, and Warren R. Haffner, director of the Division of Admissions, Records, and Scheduling, presented a report on the University's registration and preregistration procedures. Dr. Melander said the most outstanding characteristic of

(Continued on page 2)



Photograph (left) and sculpture derived from it, both by William Christenberry, opening April 18 at Zoller Gallery. The artist explores visual themes taken from his native Hale County, Ala.

Penn Staters

Dr. Charles L. Hosler, Jr., dean of the College of Earth and Mineral Sciences, has been elected to the National Academy of Engineering. Academy membership is the highest professional distinction that can be conferred on an engineer.

The Academy is a private organization established to help advise the federal government on matters of science and engineering, and to encourage engineering research. Those honored have made important contributions to engineering theory and practice, or have demonstrated unusual accomplishments in the pioneering of new and developing fields of technology.

Dr. Hosler was among 100 new members of the Academy, whose ranks now consist of 857 U.S. members and 58 foreign associates. Dr. Hosler was chosen for his "contributions in the application of meteorology to engineering problems, such as power plant siting and cooling."

Dr. Hosler has been a member or chairman of many committees and panels of the National Academy of Sciences. Recently, he served on the National Aeronautics and Space Administration (NASA) committee charged with choosing the design and experiments for the planned space shuttle flights. He also conceived the idea for an Atmospheric Physics Laboratory, which will be part of Space Lab, scheduled to be orbited in 1979 or 1980.

Floyd B. Fischer, vice-president for Continuing Education, received the Julius M. Nolte Award of the National University Extension Association at that organization's annual meeting in Indianapolis, Ind., Monday, April 10. Mr. Fischer is a past president of N.U.E.A. He is currently chairman and a member of the Executive Committee of the Council on Extension of the National Association of State Universities and Land Grant Colleges.

The American Academy of Religion recently announced the election of **Conrad Cherry**, professor of religious studies, as the senior editor of its *Studies in Religion Monograph Series*. The academy is the major professional organization for the field of religious studies. The monograph series for which Dr. Cherry will be responsible publishes scholarly works in the field including historical, methodological, critical, and constructive approaches. Dr. Cherry is currently on leave from the University to complete work on a new book, *Nature and Religious Imagination*. From Jonathan Edwards to Horace Bushnell.

Zeljko D. Kujundzic, associate professor of art at Fayette, has been invited to exhibit one of his sculptures, along with a drawing and photos of his architectural work, at the International Sculpture Conference to be held in Toronto, Canada this spring. This is the first time this biennial event will be held outside of the United States since its inception in 1958 by the National Sculpture Center at the University of Kansas. Some 1,200 delegates will attend, but only about 50 of them have been invited to participate in the sculpture exhibit. Prof. Kujundzic's piece, a 45-inch high abstract wood carving, is titled "Ancestor."

Dr. C. Eugene Allen, professor of animal science at the University of Minnesota, is serving as visiting professor of animal science at the University through Sept. 30. Dr. Allen is working primarily with Dr. Roy J. Martin, professor of animal nutrition, shaping techniques and procedures useful in their research areas of growth and development of animals and what causes muscle versus fat tissue development. A graduate of the University of Idaho with a B.S. in animal

science, Dr. Allen received both his M.S. and Ph.D. in meat and animal science at the University of Wisconsin. Last year he was awarded the Meat Science Research Award from the American Society of Animal Science.

Bookshelf

Dr. Alan E. Kazdin, professor of psychology, is the author of *History of Behavior Modification: Experimental Foundations of Contemporary Research*, written under the auspices of the National Academy of Sciences and published by the University Park Press of Baltimore, Md. The book emphasizes the experimental findings and methods of psychology upon which behavior modification has drawn, leading to treatment programs in a broad spectrum of therapeutic, educational and health care facilities.

Dr. Kazdin, who is president of the Association for Advancement of Behavior Therapy, has co-authored another book, *Evaluation of Behavior Therapy*, with G. Terence Wilson of Rutgers University. Recently published by Boller Publishing Company, the book evaluates issues, evidence and research strategies of behavior therapy in addition to recommending future approaches to treatment evaluation.

Additionally, Plenum Publishing Company has recently released *Advances in Clinical Child Psychology*, co-authored by Dr. Kazdin and Benjamin B. Lahey of the University of Georgia. Written as a reference for specialists, the book is part of a series which each year presents an overview of new developments in the treatment of children.

Dr. John T. Neisworth, associate professor of special education, and **Dr. Robert M. Smith**, assistant provost, are the authors of two new textbooks. *Retardation: Issues, Assessment, and Intervention*, has been published by McGraw-Hill Book Company as part of the Special Education Series, for which Dr. Smith serves as editor. The book features a consistent behavioral approach and contains sections on the biology of retardation, health care management, and alternative living arrangements. Dr. Chester M. Berlin, Jr., professor of pediatrics, is the author of the chapter dealing with medical issues.

Evaluating Educational Environments has been published by the Charles E. Merrill Publishing Company. This text focuses on how one can evaluate a child's environment. The perspective expressed in this book is that assessing the child is only one source of information necessary for educational planning; equal attention must be given to evaluating the environment within which a youngster learns.

The Kosciuszko Foundation in New York has just published the third edition, revised and enlarged, of the book, *Introduction to the Polish Language*, prepared by **Dr. Sigmund S. Birkenmayer**, professor of Slavic languages, in collaboration with Dr. Zbigniew Folejewski of the University of British Columbia.

The revisions are largely the result of Dr. Birkenmayer's 1974 research leave in Poland, where he studied the changes which had occurred in written and spoken Polish between 1946-74. The new linguistic and cultural materials he collected have been incorporated into the updated edition, which consists almost entirely of conversational lessons based on everyday life and situations in Poland. The book is intended for use in first- and second-year Polish courses. All the conversations have been recorded on tape by native speakers of Polish and are available from the University's Listening-Learning Services.

Senate

(Continued from page 1)

the process is its flexibility, considering the number of people involved. He said it might be possible to design a procedure that would cost less, but that some flexibility would have to be sacrificed.

Dr. Edward H. Klevans, professor of nuclear engineering, represented an Ad Hoc Committee of Engineering Senators in presenting a proposal that the following be added to Rule 34-89, dealing with course drops:

"Use of the course drop from the beginning of the fourth to the end of the eighth week of classes is limited to a maximum of 12 credits for baccalaureate degree candidates and 6 credits for associate degree candidates. The credit limits specified apply to all courses taken prior to the awarding of a degree."

The proposal, which was discussed briefly, will be presented for action at the next Senate meeting.

A review procedure for promotion and tenure review committees was discussed, but no action was taken. The procedure, proposed by the Committee on Faculty Affairs, would provide guidelines for consultation among review committees at various levels in cases of divergent opinions.

A proposal by the Senate Committee on Curricular Affairs concerning student membership on that committee was amended and passed. Under the new membership guidelines, the committee will include one faculty senator each from Behrend College, Capitol Campus and the College of Medicine.

Arts Roundup

Concert Blue Band to perform April 23

The Concert Blue Band, under the direction of Dr. Ned C. Deihl, professor of music education, will perform in concert at 3 p.m. Sunday, April 23 in Eisenhower Auditorium.

"We're planning to unveil our Penn State Jazz Blue Band," Dr. Deihl said. The Jazz Blue Band features 21 musicians under the direction of Larry Fisher, graduate assistant with the Blue Band and doctoral candidate in music education. The jazz group will be featured in Rhapsody for Jazz Ensemble and Concert Band.

This year's Concert Blue Band contains 85 musicians. They will perform selections by Holst, Vaughn Williams, Nellyb, Sullivan and Bach. Two of the major works will be Sullivan's *The Ballet*, *Principale Polka* and Bach's *Toccata and Fugue in D Minor*.

Students will be admitted to the concert without charge. A \$1 donation will be accepted from other patrons, with the proceeds marked for the James W. Dunlop Memorial Scholarship Fund.

Chamber orchestra to play April 19

Musica da Camera, the University's chamber music orchestra, will present its spring concert at 8:30 p.m. Wednesday, April 19, in the Music Bldg. recital hall.

The program will include Brandenburg Concerto No. 5 (BWV 1050), by Johann S. Bach; Symphony No. 36 in C Major K. 425, by Wolfgang Mozart; and "Siegfried Idyll" by Richard Wagner. The Wagner work is one of the few 19th century pieces in the group's repertoire. It is also Wagner's only piece suitable for small chamber orchestras, according to D. Douglas Miller, Musica da Camera's conductor and associate professor of music.

The Bach Concerto will feature solos by violinist Richard Lohmann, the group's concert master, and two faculty guests, harpsichordist June Miller, associate professor of music, and flutist Overda Page, instructor of music.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed, although names will be withheld on request.

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since a number of these questions are of general interest to the University community, we are running them and the answers in INTERCOM.

QUESTION:

What is the rationale for the auxiliary accounting system? The form of the data available does not obviate the need for unit accounting systems and merely puts more red tape into the process.

ANSWER:

The rationale for auxiliary accounting is to provide faculty and staff with current, accurate information on all general and restricted funds budgets and thereby supplant as many ad hoc systems as possible. It has been successful and works very well in the College of Arts and Architecture, and we invite faculty to visit the Financial Office there to see it in operation. In other Colleges, including Engineering and Science, development of systems to handle restricted funds is giving us problems. We hope to work out these problems with Management Services this year and thus decrease the red tape and improve the service. In short, the system is designed to improve accounting services to the faculty and administrators at the College and department level, and, in fact, it is working in Arts and Architecture. It remains to be seen if we can be completely successful as we move to other locations.

Steve A. Garban
Controller

QUESTION:

Why can certain forms only be obtained at Willard Bldg, even though anyone can get one by just asking the receptionist?

ANSWER:

The question seems to indicate a misunderstanding. Personnel representatives in all Colleges and major administrative units and business managers at the Campuses are provided with most personnel forms. There are certain exceptions — forms which require special counseling in the Personnel Office before completion. This decentralization of the distribution of forms is intended to provide ease of access to faculty and staff. However, in an effort to minimize costs the keeping of large stocks of such forms in every area is discouraged, and minimal supplies are distributed. Thus, occasionally, a Personnel Representative or Business Manager may run out of a particular form. In such cases, the form will be secured for the individual who has requested it.

James Wagner
Director of Personnel Services

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

April 13-23 Special Events

Thursday, April 13

HUB Candlelight Dinner, "Let's Have a Spring Fling," 4:45-7 p.m., Terrace Room, HUB.
Central Pa. Society of the Archaeological Institute of America, Rev. John Wilkinson, London, on "A New Temple: The Church of the Holy Sepulchre in Jerusalem," 8 p.m., Room 101 Kern.
French Club/French House Play, *Moliere, Le Medecin malgré lui*, (The Physician in Spite of Himself), French and English version, 8 p.m., Room 112 Kern.
Middle East Studies/UCIP Lecture, Frederick M. Denny, University of Virginia, on "Egypt and the West: Refracted Images," 8 p.m., Room S-209 Henderson.

Friday, April 14

Sports: men's tennis, vs. Howard, 1 p.m., Nittany Courts; baseball, vs. Howard, 3 p.m., Beaver Field; men's lacrosse, vs. North Carolina, 7 p.m., Jeffrey Field; men's volleyball, vs. East Stroudsburg, 7 p.m., Rec. Bldg.

HUB Candlelight Dinner, "Let's Have a Spring Fling," 4:45-7 p.m., Terrace Room, HUB.
SFO film, *A Hard Day's Night*, 7, 9 and 11 p.m., Room 102 Forum.

French Club/French House Play, *Moliere, Le Medecin malgré lui*, (The Physician in Spite of Himself), French and English version, 8 p.m., Room 112 Kern.
Artists Series, Cleveland Quartet, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 15

College of Earth and Mineral Sciences Open House, 1-5 p.m., lobbies of Mineral Industries, Mineral Sciences, Deike and Walker Bldgs.

Sports: women's tennis, vs. Maryland, 2:30 p.m., Nittany Courts; baseball, vs. George Washington (2), 1 p.m., Beaver Field; women's lacrosse, vs. Ursinus, 2:30 p.m., IM Field.

france-cinema, Bergman, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern.
Un-Corcon Dinner Theatre, *Pierre Pathelin*, 7 p.m., Rooms 101 and 102 Kern.

Sunday, April 16

University Chapel service, Dr. Joseph Sittler, Lutheran School of Theology, Chicago, 11 a.m., Eisenhower Chapel.
College of Earth and Mineral Sciences Open House, 1-5 p.m., lobbies of Mineral Industries, Mineral Sciences, Deike and Walker Bldgs.

Shaver's Creek Nature Center, Spring Ecology Walk, 2-4 p.m., Stone Valley.
Sports: baseball, vs. Gettysburg, 2 p.m., Beaver Field.

france-cinema, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern.
Un-Corcon Dinner Theatre, *Pierre Pathelin*, 7 p.m., Rooms 101 and 102 Kern.

Brent Wissick, baroque cello, 8:30 p.m., Music Bldg. recital hall.

Monday, April 17

Simultaneous sports: women's golf (single elimination), women's track and field (open), entry open. Entry close, noon, April 20.
E. A. Day Memorial Lecture in Food Science, George Borgstrom, Michigan State University, on "Neglected Aspects of the World Food Problem," 11 a.m., Room 112 Kern.
Colloquy, "Sports in America," John Lucas, physical education, on "The 1980 Olympics," 2:15 p.m., HUB main lounge; James A. Michener, author, will speak, 8 p.m., Eisenhower Auditorium.

Shakespeare film, *Hamlet* (Oliver), 6:30 p.m., Room 101 Chambers.

Cinematheque, Huston, *The Maltese Falcon* (1941), 7 and 9 p.m., HUB assembly hall.

france-cinema, Robert, *War of the Buttons*, 7 and 9 p.m., Room 101 Kern.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Richard Lohmann, violin, accompanied by David Vogel, viola, and Jill Olson, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 18

Friends of the Museum Gallery Talk, Walton J. Lord, art history, PSU, on "Reflections on Cops, Beavers and Otherwise," 10:30 a.m., Museum of Art.



The Artists Series will present the Cleveland Quartet Friday night. Members (from left) are Peter Salaff and Don Weilerstein, violin; Martha Strongin Katz, viola; Paul Katz, cello.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club; James A. Brundage, University of Wisconsin, Milwaukee, on "The Church's Attitude Towards Sex and Pornography," Native American Education symposium. Dr. William Dement, director of education programs, Bureau of Indian Affairs, Washington, D.C., on "Organization and Administration of Indian Programs," 12:30 p.m., Room 112 Kern.

france-cinema, *War of the Buttons*, 7 and 9 p.m., Room 101 Kern.
Artists Series, Keaton films, *The Blacksmith and Our Hospitality*, 8 p.m., Eisenhower Auditorium.
English colloquy, Augustus Kolich, English, on "Uses of Autobiography in the Contemporary Novel: Fictionalized Recall and Frank Conroy's *Stop-time*," 8 p.m., Room 101 Kern.

Wednesday, April 19

Commons Kaleidoscope, "Chemistry and Man," noon, Kern lobby.

Colloquy, "Sports in America," Dorothy Harris, health, physical education, on "The Essence of Sport," 1 p.m., HUB main lounge.
5 O'clock Playwright's Theatre, Nancy Patton, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.

Naiads Synchronized Swim Show, student preview, 7 p.m., Natatorium.

Sports: men's lacrosse, vs. Delaware, 7 p.m., Jeffrey Field.

Commonplace Theatre, *The Conversation*, 7:30 and 9:30 p.m., Room 112 Kern.

Air Force ROTC Lecture, Col. Carlyle S. Harris, an ex-prisoner of war, on "Leadership in a POW Environment," 8 p.m., Room 105 Forum.

Comparative Literature Program film, *Certrude Steiner: When This You See, Remember Me*, 8 p.m., Room 151 Willard.

Musica da Camera, chamber music, 8:30 p.m., Music Bldg. recital hall. Free.

Thursday, April 20

Deadline for Reserve Reading Lists for summer term to be submitted to Reserve Reading Room, Room W-11, Pattee Library.

Sports: baseball, vs. Mansfield, 3 p.m., Beaver Field.

5 O'clock Playwright's Theatre, Patton, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.

Naiads Synchronized Swim Show, 8 p.m., Natatorium.

Friday, April 21
5 O'clock Playwright's Theatre, Patton, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.

Sports: men's volleyball, ECVL Championships, 7 p.m., Rec. Bldg.

Naiads Synchronized Swim Show, 8 p.m., Natatorium.

PS Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall. Free.

Saturday, April 22

Shaver's Creek Nature Center, Adventure Series (by registration only - 865-1851), for children ages 7 and up, 10 a.m.-3 p.m., Stone Valley.

Sports: men's golf, vs. Alumni, 1 p.m., Blue Course; men's lacrosse, vs. Rutgers, 2 p.m., Jeffrey Field; men's volleyball, ECVL Championships, 7 p.m., Rec. Bldg.; women's lacrosse, vs. West Chester, 2 p.m., IM Field.
Naiads Synchronized Swim Show, 8 p.m., Natatorium.

Sunday, April 23

University Chapel service, Dr. George Jones, Office of Religious Programs, Ball State University, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, Streams and Valleys, 2-4 p.m., Stone Valley.

Blue Band concert, 3 p.m., Eisenhower Auditorium.

Sports: baseball, vs. Rider (2), 3 p.m., Debra Sullivan, soprano, 3:30 p.m., Music Bldg. recital hall.

france-cinema, Malle, *Elevator to the Gallows*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, April 13

Association for Computing Machinery, Terry Baker, IBM, on "Organizing for Structured Programming," 7:30 p.m., Room 112 Buckhout.

Computation Center, "JCL Examples," 7:30 p.m., Room 105 Osmond.

Psychology, Heidi Koller, Johannes Gutenberg University, Mainz, on "Antecedents of Exploratory Behavior in Infants," 8 p.m., Room 351 Moore.

Friday, April 14

Geoscience, Frank Dachtler, geosciences, on "Large Meteorite Collisions as a Factor in Climatic Change through Geologic Time," 4 p.m., Room 112 Walker.

Monday, April 17

Biochemistry and Biophysics, Donald Wetlaufer, Delaware University, on "Protein Folding Pathways: Chemical Evidence and Biological Significance," 3:55 p.m., Room 101 Althouse.

Fuel Science, Michael Schick, Grumman Aerospace Corp., on "Kinetics of Hydrogen-Air Ignition Sensitized by NO_x Applications to a Scram Jet Combustor Test," 4 p.m., Room 301 Steidle (Mineral Industries).

Computation Center, "Job Control Language," (1 of 6), 7:30 p.m., Room 105 Osmond.

Tuesday, April 18

Engineering Science and Mechanics, B. Langenecker, director, PVL Physikalische Versuchsanstalt, Waldbach, Austria, on "The Effect of Ultrasound on the Behavior of Metals," 9:30 a.m., Room 226 EE West.

Biochemistry and Biophysics, Donald Wetlaufer, Delaware University, on "Protein Secondary Structure-Restructure: Directions for Protein Folding Simulation," 11:10 a.m., Room 101 Althouse.

Food Science, G. Dorsett, on "Effect of Slaughter-Weight on Pork Textural Quality," 11:10 a.m., Room 201 Borland.

Analytical Chemistry, Lance Rose, on "Chemical Identification and Quantitation of the Oak

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Leaf Roller Pheromone Complex," 1 p.m., Room 339 Davey.

Research Applications of Computers, Paul K. Warne, biochemistry, on "Inside View of Microcomputers," 1 p.m., Room 111 Boucke.

Solid Waste Management, Roger De Cesare, Solid Waste Division, Metals Research Center, College Park, Md., on "Research Accomplishments in Resource Recovery at U.S. Bureau of Mines," 2:20 p.m., Room 128 Sackett.

Population Issues Research Office, Thomas Falk, Stockholm School of Economics, on "Urban Turnaround in Sweden: Population Dispersal in Progress," 2:30 p.m., Room 174 Willard.

Chemical Engineering, Robert L. Laurence, University of Massachusetts, on "Diffusion of Molten Polymer Blends," 3:45 p.m., Room 140 Fenske.

Physics/Astronomy, Philip M. Stone, Center for Energy R & D Administration, on "Role of Tokamak Impurities in Fusion Plasmas," 3:50 p.m., Room 117 Osmond.

Genetics, Robert Quivy, on "Transformation in the Blue-Green Algae," 3:55 p.m., Room 52 Frear.

Plant Pathology, Dick Stevenson on "Epidemiology: To Present," 3:55 p.m., Room 213 Buckhout.

Engineering Science and Mechanics, R. C. Bradt, ceramic science, on "Structural Aspects of Fracture Mechanics Parameters in Ceramics," 4 p.m., Room 113 Sackett.

Computation Center, "Fortran-PL1 Conversion," (1 of 2), 7:30 p.m., Room 105 Osmond.

Gene Studies, Gene Derrickson, on "The Chinese Worker and His Union," 7:30 p.m., Rabe Books Room, W342 Pattee.

Wednesday, April 19

Computation Center, "Job Control Language," (2 of 6), 7:30 p.m., Room 105 Osmond.

Thursday, April 20

Ceramic Science, Low Fleischer, Westinghouse Electric Corp. Research Lab, on "Ceramics for Controlled Thermoelectric Parameters," 11 a.m., Room 301 Steidle (Mineral Industries).

Chemistry, A. J. Hopfinger, Case Western Reserve University, on "Conformational Analysis in the Design of Biogenic Compounds," 12:45 p.m., Room 333 Whitmore.

Physics, H. D. Hagstrum, Bell Laboratories, on "Ion Neutralization Spectroscopy," 3:50 p.m., Room 117 Osmond.

Agronomy, Gregory Ferguson, on "Long Term Effects of High Rate Dairy Manure Slurry Applications on Selected Soil Chemical Properties and Corn Yield," 3:55 p.m., Room 111 Tyson.

Rail Transport, M. Rugs, engineer, Bessemer and Lake Erie Railroad Company, on "Railroading: An Attraction for Young Engineers," 3:55 p.m., Room 62 Willard.

Astronomy, Paul C. Joss, MIT, on "X-ray Bursts and Neutron-star Surface Nuclear Flashes," 4 p.m., Room 445 Davey.

Microbiology and Cell Biology, Jane Gibson, Cornell University, on "Transport in Cyanobacteria," 4 p.m., Room 52 Frear.

Computation Center, "Fortran-PL1 Conversion," (2 of 2), 7:30 p.m., Room 105 Osmond.

Exhibits

Anthropology Museum: open Tuesday and Thursday, 9-11:45 a.m. and 12:45-5 p.m., Wednesday, 9 a.m.-noon. Archaeology of Mezzo-America; Ethiopian collection.

Chambers Gallery: Terry L. Bowie, paintings, through April 20.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., weekends, 1-5 p.m., Steidle (Mineral Industries).

Kern Commons Gallery: Ed Leos, photography, "Five Pedologues and an Introduction," Keith Mallitt, airbrush paintings, through April 22. Sylvia Roberts, patchwork, and David Strimbering, jewelry, opens April 14.

Museum of Art: open Tuesday-Sunday, noon-5 p.m., tours, 1:30 p.m., Sunday. Faces of Spain: Goya prints and drawings; American art from the Permanent Collection. Robert Kulicke, painter, designer, craftsman, opens April 16.

Zoller Gallery: Invisions and Christenberry exhibit, opens April 18.

Pattee, East Corridor Gallery: Kent Armstrong, photographs, "Nature of Art."

Penn State's 1978-79 Budget Presentation

Editor's note: President Oswald testified March 31 before the Senate Appropriations Committee, asking for a reassessment of priorities and equitable treatment for the University in the Governor's proposed budget for 1978-79. INTERCOM is reprinting excerpts from the University's Budget Presentation booklet, which was prepared for the House and Senate Committees. Dr. Oswald appeared before the House Committee on March 10. This is the third of the five-part series.

Contrasted With Other States:

The less-than-equitable treatment afforded higher education in the Governor's 1978-79 Executive Budget is counter to trends in many other states. We were able to analyze the state budgets for ten states in the time available for preparing this statement. Our goal was to select neighboring states; we were somewhat limited by the availability of appropriate budget documents. The results, however, show Pennsylvania's 1978-79 budget proposal varies considerably from every other state analyzed relative to higher education appropriations, as shown in Table I.

The following observations can be made relative to the state budget figures presented in Table I:

a. Of the states analyzed, Pennsylvania is the only state to limit higher education to no increase.

b. For those states where data were available for two years, every state except Pennsylvania provided increases for higher education in both years.

c. The increase in appropriations (or increase in appropriations recommended) for higher education is greater than the increase in the total state budget in eight of the ten states for at least one of the two years.

d. In seven of the ten states, the increase in appropriations (or increase in appropriations recommended) for higher education is equal to or greater than the projected 7.0 percent inflation rate for at least one of the two years.

These figures indicate in the strongest way that other states in all areas of the nation are placing a higher priority on higher education than is evidenced in the Governor's budget recommendations. Other states are continuing to recognize that higher education is an investment in the future, and that it is critically important in maintaining a sound state economy. The evidence shows that states with many of the same economic problems that Pennsylvania faces are

Table I
Comparison of Selected State Total Budget
Increases (General Funds Only) and
Higher Education Budget Increases

State		Actual 1977-78 % Increase	Recommended 1978-79 % Increase	Cumulative 2-Year % Increase
PENNSYLVANIA	Total State Budget	7.3%	7.2%	15.0%
	Higher Education	0.4%	MINUS 0.3%	0.1%
	State-Owned	2.2%	0.0%	2.2%
	State-Related	0.0%	0.0%	0.0%
	State-Aided	MINUS 5.0%	MINUS 3.1%	MINUS 8.0%
MARYLAND	Total State Budget	10.0%	13.2%	24.6%
	Higher Education	13.8%	7.8%	22.7%
OHIO	Total State Budget	8.6%	8.6%	17.8%
	Higher Education	14.8%	10.2%	26.4%
NEW YORK	Total State Budget	17.7%	7.3%	26.3%
	Higher Education	8.7%	10.1%	19.5%
ILLINOIS	Total State Budget	4.7%	N/A ^a	-
	Higher Education	5.4%	N/A	-
MICHIGAN	Total State Budget	7.8%	N/A	-
	Higher Education	6.1%	N/A	-
KANSAS	Total State Budget	3.6%	10.5%	14.6%
	Higher Education	7.8%	12.6%	21.4%
NEBRASKA	Total State Budget	7.5%	2.0%	9.7%
	Higher Education	6.6%	3.5%	10.3%
LOUISIANA	Total State Budget	MINUS 4.1%	N/A	-
	Higher Education	7.7%	N/A	-
UTAH	Total State Budget	15.4%	15.8%	33.6%
	Higher Education	13.3%	12.0%	27.0%
IDAHO	Total State Budget	5.5%	6.3%	12.2%
	Higher Education	10.5%	3.3%	13.9%

^a Excludes \$2.5 million supplement to Temple University Hospital.

^b Not Available.

OBP/Budget

providing for necessary cost increases for their institutions of higher education. For example, the University of Maine will receive a 5.0 percent appropriation increase for 1978-79; the Governor has recommended a 7.9 percent increase for the University of Connecticut; Ohio State University will receive an increase of 9.0 percent; and the Governor has recommended an increase of 6.5 percent for the University of Massachusetts.

Three years at the same appropriation level in the face of a two year cumulative increase of 15.0 percent in the General Fund Budget suggests that higher education is extremely low on the list of priorities used to make up the proposed 1978-79 Pennsylvania budget prepared by the Governor. It is also clear from the

information above that within the budgets of other states, higher education is receiving much more favorable consideration. We submit that the priorities embedded in the Governor's 1978-79 Executive Budget relative to higher education funding are out of step not only with national trends but with the needs and priorities of the people of Pennsylvania. We would ask that the Legislature take these points into consideration during their deliberations on the 1978-79 budget.

Copies of Penn State's Budget Presentation Booklet may be obtained by contacting Arthur Ciervo, Office of Public Information and Relations, 312 Old Main (phone 865-7517).

News in brief

(Continued from page 1)

World food authority to present Day lecture

"Neglected Aspects of the World Food Issue" will be the topic of Dr. Georg A. Borgstrom at 11 a.m., Monday, April 17 in Kern auditorium. Dr. Borgstrom will present the annual E. A. Day Memorial Lecture in Food Science.

Dr. Borgstrom is professor of food science and human nutrition and professor of geography at Michigan State. He is a recognized authority on world food resources and the author of several books, notably *World Food Resources*, *Focal Points*, *The Hungry Planet*, *Too Many and The Food and People Dilemma*, *The Banquet*, published in Sweden in 1975 and in Norway and Denmark in 1976, is currently being prepared for publication in English. Earlier books were *Principles of Food Science* in two volumes and *Japan's World Success in Fishing*.

The lecture is sponsored through the E. A. Day Memorial Fund within the

Department of Food Science and by the Graduate Council Committee on Lecture Series.

The lecture honors the late Dr. Edgar A. Day, former executive vice president of International Flavors and Fragrances, Inc., who received his M.S. and Ph.D. from Penn State.

Stratford Festival visit part of Shakespeare course

A trip to Stratford, Ontario to the Shakespeare festival is part of the curriculum of the Summer Term Seminar in Shakespeare, English 549.

During the first six weeks of the term, June 13-July 25, Shakespeare's development as a comic dramatist will be discussed. From July 28-31, the class will adjourn to Stratford to see performances of *As You Like It*, *The Merry Wives of Windsor* and *The Winter's Tale*. They will also see *Macbeth*. While in Canada, the class will hold two meetings to discuss the performances.

Because tickets and accommodations must be reserved early, the English

information above that within the budgets of other states, higher education is receiving much more favorable consideration. We submit that the priorities embedded in the Governor's 1978-79 Executive Budget relative to higher education funding are out of step not only with national trends but with the needs and priorities of the people of Pennsylvania. We would ask that the Legislature take these points into consideration during their deliberations on the 1978-79 budget.

Copies of Penn State's Budget Presentation Booklet may be obtained by contacting Arthur Ciervo, Office of Public Information and Relations, 312 Old Main (phone 865-7517).

Stone Valley opens April 15

The Stone Valley Recreation Area will open for fishing and canoe and rowboat rentals on Saturday, April 15. The lake has been stocked with 4,000 rainbow trout, bass and pickerel. Panfish may also be taken. Persons age 16 and over must possess a Pennsylvania fishing license.

The Mineral Industries Camp Day-Use Area is open daily from 8 a.m. to sunset for picnicking, hiking and visits to the Shaver's Creek Nature Center.

Visitors are reminded of the basic park regulations: admission charges on weekends and holidays, no open fires, no camping, and no swimming. Changes in park regulations for 1978 prohibit all pets in the recreation area and require sailors and canoeists to wear life jackets until the lake water temperature exceeds 50° F.

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services to the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in Promotions may apply by calling the Employment Division, 312 Old Main (network line 475-1387). Applications for the staff vacancies will be received until 5 p.m., Apr. 20. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

TECHNICAL SUPERVISOR, ARTS AND ARCHITECTURE, University Park Responsible to the production coordinator of Department of Theatre and Film for providing supervision of University Theatre Productions in the areas of scene construction, lighting, properties and scenic painting. In addition, the candidate will supervise and train the student production crews entrusted with the execution of the above areas. A bachelor's degree in fine arts, or equivalent, plus a minimum of one year of directly related experience in either an academic or professional scenic studio is required.

FINANCIAL AID COUNSELOR, STUDENT AFFAIRS, University Park Responsible to the Director of Student Aid for counseling students on financial aid matters and for assisting in internal administration of financial aid programs. A master's degree or equivalent in student personnel services, counselor education, or higher education, plus up to one year of directly related experience is required.

SLIDE AND PHOTOGRAPH ARCHIVIST, ARTS AND ARCHITECTURE, University Park Responsible to the Head of the Department of Art History in the organization, maintenance and further development of the slide and photograph collection of the department. Responsible for the acquisition, production, cataloging and filing of slides and photographs, and the supervision of part-time employees and graduate students who assist with these duties. Requires a person who can work well with faculty and students. Bachelor's degree in art or art history or equivalent, plus up to one year of directly related experience is required.

EMEX to offer tours, displays

Tours of the University's new meteorological observatory will be one of the many highlights of EMEX 78 — the "Earth and Man Exposition" to be sponsored by the College of Earth and Mineral Sciences, April 15 and 16.

Among the observatory equipment on the sixth floor of the new Eric A. Walker Building are a minicomputer, used to analyze and display weather data; teletypes that report weather information from all over the country; and the machines that receive facsimile weather charts from the National Weather Service and satellite photos from the National Environmental Satellite Service.

The exposition, a biennial open house sponsored by the Earth and Mineral Sciences Student Council, will feature a wide variety of exhibits and demonstrations representing the College's six departments: geosciences, geography, meteorology, materials science and engineering, mineral economics, and mineral engineering.

Some of the features of wide interest will be displays on the use of ceramic materials in the space shuttle and fiber-optics in communications, the role of coal petrography in coal evaluation and waterlogging of petroleum reservoirs to improve oil recovery.

The mining engineering exhibit will include a coal mine shuttle car recently brought to Penn State for use in research on the safety and durability of mine electrical cables and an oil pumping unit of Deike, Steidle (Mineral Industries) and Walker Buildings, and visitors may begin their self-guided tours of the EMEX displays at any of these three locations. The exposition will run from 1 to 5 p.m. each of the two days.

Penn State Intercom

Tax credits, finances, planning discussed at news conference

Given a choice, he would favor extending federal aid to families of college-going students through the present Basic Educational Opportunity Grant (BEOG) program rather than an income tax credit, President John W. Oswald told a news conference last week.

The tax credit plan would give parents earning \$150,000 a year the same break as those making \$4,000, Dr. Oswald explained. By extending BEOG beyond its present limits to middle income families grants would be dispersed on need, "but need would go higher."

Turning to the two subjects to which he has been giving his highest priority — finances and planning — Dr. Oswald said he was encouraged by the bill introduced on behalf of the Democratic Caucus which would include an increase of approximately 5 percent for the University. [The House passed the bill last week.]

"It would be a 5 percent increase for our basic operations — education, research and the agricultural land-grant function," the President explained. "But it does nothing for the Medical Center or student aid, so that overall the total University would receive a 4.79 percent increase."

Responding to a question as to whether Penn State's budgetary problems may be causing a "brain drain," Dr. Oswald commented:

"The question of a brain drain is a very serious one. When we talk about quality, we're really talking about the quality of the faculty and of the student body. It's a combination of the two."

"We are concerned about our young assistant professors who are not completely established here. If they see comparable institutions receiving appropriation increases yearly and effectively relating them to salaries and working conditions, while Penn State goes three years in a row with no increase, they may well begin to wonder if their chances for long-term progression are better somewhere else."

Approval of a 5 percent increase for Penn State this year could mean the difference between a reasonably normal approach to the budget as opposed to another year of crisis, Dr. Oswald continued.

"One of our big sources of expenditures is appropriate salary increments," he noted. "That has to be considered as we put together a budget so that we remain reasonably competitive and recognize as best we can the increases in living costs our employees are facing."

Because 1978 is a key State election year, the President said he would imagine that the budget will pass without the kind of impasse which confronted the Legislature last year.

But he pointed out that Penn State is not out of the woods yet.

"It is disturbing," the President continued, "that many people still think that once the appropriation was passed last December, all of the cash problems as far as interest and debt service were over. Indeed they are not. Our interest costs are currently running at \$5,000 a day."

(Continued on page 3)

In 1970-71, Dean Palladino served as president of the American Nuclear Society and last year he was named vice-president of Argonne Universities Association.

Memorial Day to be celebrated May 29

The University will observe Memorial Day this year on Monday, May 29.

AAUW book sale to begin April 24

The American Association of University Women will hold its 17th annual used book sale April 24 through 28 at the Wesley Foundation, 256 E. College Ave. Customers may browse and/or buy from 9 a.m. to 9 p.m. each day. There will be a half-price day Thursday, April 27, and bag day will be held April 28. (On bag day, buyers may fill a grocery bag with books for \$1.50 — bags provided.) Proceeds from the sale are devoted to national educational foundations.

Kodak recalls projectors

Some Kodak Carousel and Kodak Ektagraphic slide projectors manufactured since March 1, 1977, are being recalled by Eastman Kodak Company. A manufacturing change made at that time may have resulted in a pinched wire, which could cause shorting and a potential shock hazard.

(Continued on page 7)

Artists Series announces its '78-'79 program

Opera star Beverly Sills, the Minnesota and Pittsburgh orchestras, Mummenschanz mime-mask theatre and pianist Emanuel Ax are among the leading attractions booked by the Artists Series for its 1978-79 season.

The Theatre/Dance Series will open Sept. 29 with Les Ballets Trockadero de Monte Carlo, an all-male dance company which presents devastatingly accurate satires on classical ballet, complete with toe shoes and tutus. They will be followed on Oct. 20 by the legendary Martha Graham Dance Company. On Dec. 3, audiences can "ease on down the road" as music and dance merge in *The Wiz*, a soul to rock musical based on *The Wizard of Oz*. The production won seven Tony Awards, including "Best Musical of 1975." Mummenschanz, a Swiss mime theatre, will perform in Eisenhower Auditorium on Feb. 11, and the following month will bring the Houston Ballet. They will present a full-length production of *Sleeping Beauty* on March 16. The final attraction in the series will be Derek Jacobi, who will perform *Hamlet* with the Stars of the Old Vic. Mr. Jacobi will be remembered for his title role in *Masterpiece Theatre's I, Claudius*.

The Music Series opens Sept. 13 with Emanuel Ax, winner of the Artur Schnabel World Piano Competition in 1974. Other Music Series offerings include *The Manhattan Savoyards* (Oct. 13) in Gilbert and Sullivan's *Pastime*, *Virtuosi di Roma* on Oct. 27, the Pittsburgh Symphony Orchestra on Feb. 2, and the Minnesota Orchestra on April 27. Audiences will have the chance to hear one of the last performances of Beverly Sills, who plans to retire at the end of next season. She will appear April 6.

Two evenings of "Albee Directs Albee" (Jan. 20-21) will introduce a new Drama Series, part of the Fine Arts Series. Among the Edward Albee plays to be performed will be *The Sandbox* (1959), *The American Dream* (1960), *Listening* (1970), and *Counting the Ways* (1976). One of the classical theatre's foremost actresses, Irene Worth, will present a program, "Women of Shakespeare and Chekhov," on March 30.

Also under the auspices of the Fine Arts Series, lovers of the vocal and instrumental ensemble can hear The Waverly Consort. Its singers and instrumentalists will present *Le Roman de Fauvel*, a fully-staged and costumed 14th century satire Sept. 22; a Christmas program on Dec. 13; and Music from the Elizabethan Period on April 11. The Chamber Ensemble will appear Nov. 8; Eugenia Zukerman (flute) and Charles Bonell (guitar), Jan. 12; and the Pittsburgh Chamber Orchestra, Jan. 31.

A new series for the season, The Lively Arts for Young Audiences, will present three programs, one each in music, dance and theatre.

Brochures describing the entire season will be available at Fine Cottage and numerous places on campus beginning the last week in April. For additional

(Continued on page 6)



From top: Beverly Sills, Mummenschanz, Janet Eilber of Graham Company, Edward Albee.

News in Brief



Dr. Nunzio J. Palladino, dean of the College of Engineering, has been elected chairman of the Council of Academic Deans at the University, succeeding Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences. He will assume the post on July 1.

The new vice-chairman is Dr. James M. Beattie, dean of the College of Agriculture.

Dean Palladino joined the Penn State faculty in 1959 as professor and head of the Department of Nuclear Engineering. He was named dean of the College in 1966. He holds B.S. and M.S. degrees, with majors in mechanical engineering, from Lehigh University, which in 1964 awarded him an honorary doctor of engineering degree.

Penn Staters

Dr. Robert E. McDermott has resigned as provost of Capitol Campus, effective no later than Jan. 1, 1979 to return to teaching.

In announcing the resignation, President Oswald thanked Dr. McDermott for providing leadership to the Capitol Campus during an important phase of its development.

"The Capitol Campus, founded in 1966, went through the second phase of its development under Dr. McDermott's leadership," Dr. Oswald said. "Staff and administrative functions were refined, faculty development was advanced and significant research programs were initiated."

The first phase at Capitol was a start-up period. During this time, curricula were conceived, faculty and staff appointed, students recruited and a library collection started.

By Jan. 1, Dr. McDermott will have completed seven years as chief executive officer at the Capitol Campus. "I feel that this will be the most advantageous time for the University and the Campus to instigate new leadership," he said in his letter of resignation.

Prior to resuming a faculty position at the University, Dr. McDermott plans on taking a year's sabbatical to pursue studies in land use management.

Dr. McDermott, a professor of forestry, had held numerous high-ranking educational and administrative positions at several universities before becoming chief executive officer at the Capitol Campus in 1972.

At Penn State he had previously served as associate dean of the Graduate School, professor of forestry, acting associate director of the Center for the Study of Higher Education, assistant director of the School of Forest Resources, and head of the Department of Forest Management.

Prior to coming to Penn State, he had been at the University of Arkansas, where he served as dean of the Graduate School, professor of botany, and coordinator of university research. He has conducted extensive research in forest ecology and physiology.

Dr. Oswald and Provost Edward D. Eddy will visit the Capitol Campus soon to discuss with faculty leaders the procedures for selecting a new provost.

Dr. John D. Martz III, professor of political science at the University of North Carolina, has been named head of the Department of Political Science, effective July 1.

He will succeed Dr. Robert S. Friedman, who has held the position since 1968 and who has chosen to return to full-time teaching and research.

A specialist in Latin American politics, Dr. Martz was editor of the *Latin American Research Review* from 1974 until this year. He directed the University of North Carolina's Graduate Studies program and was associate director of its Latin American Institute.

He was also an area studies coordinator for that University's Peace Corps Training Program for Central America and was director of a Summer Institute in International Studies jointly sponsored by the University of North Carolina and Duke University.

In the course of his teaching and research, Dr. Martz has visited 23 Latin American countries. In 1966-67, he conducted field research in Ecuador and Peru with a Guggenheim Fellowship and from 1973 to 1976, he received National Science Foundation Support for field work in Venezuela.

Dr. Martz earned his A.B. at Harvard University, his A.M. at George Washington University, and a Ph.D. at the University of North Carolina. He joined the faculty of the University of North Carolina in 1963 after completing his Ph.D.



Dr. Fred Rapp, professor and chairman of the Department of Microbiology at Hershey, has been named Evan Pugh Professor of Microbiology.

At the Medical Center, he serves also as director of the Special Basic Research Cancer Center and as associate provost and dean for health affairs.

The honor is the highest the University can confer on a member of the faculty. In making the announcement, President Oswald said that Dr. Rapp "is one of the world's leading cancer virologists. His reputation is an international one."

A committee of eight distinguished faculty members, three of them Evan Pugh Professors, reviewed nominations for the honor and made recommendations to the President for appointment.

Dr. Rapp joined the Penn State faculty in 1969 after he had served seven years on the Baylor University College of Medicine faculty and where he had been director of graduate studies in the Department of Virology. Earlier he had served at the Cornell University Medical Center and at

Dr. David B. Geselowitz, professor of bioengineering, has been awarded a Guggenheim Fellowship for "Biophysical Studies in the Field of Electrophysiology."

Dr. Geselowitz is interested in the quantitative relationship between electrical sources in heart muscle cells and the body surface electrocardiogram. Together with a former graduate student, Dr. Walter T. Miller III, he has developed a mathematical model for the human electrocardiogram. This model simulates the normal heart as well as events following a myocardial infarction or heart attack. Clinical studies of its applicability are in progress at Hershey.

The Guggenheim Fellowship will provide Dr. Geselowitz with the opportunity to work in the Division of Pediatric Cardiology at Duke University. This laboratory is active in clinical, animal and theoretical studies of the electrocardiogram.

George N. Payette, assistant director for resident instruction at Mont Alto Campus, was elected president of the Pennsylvania Association of Two-Year Colleges at the concluding session of its 35th annual convention April 6-7. He had previously been vice-president and a member of the program committee. Mr. Payette has been the assistant director at Mont Alto since 1969 after an initial assignment in 1966 as an instructor in English and political science. He has also taught for the Departments of History, General Education, and the School of Journalism. The association is comprised of community colleges, private and proprietary institutions, and Penn State's Campuses.

Dr. Louis Winkler, assistant professor of astronomy, has received a Fred Harris Daniels Fellowship from the American Antiquarian Society. Dr. Winkler will spend two months this summer studying colonial American attitudes toward home health remedies, especially blood letting and hygiene.

the University of Southern California School of Medicine.

His Ph.D. in medical microbiology was conferred by the University of Southern California and he holds an M.S. from Albany Medical College and a B.S. from Brooklyn College.

Dr. Rapp's initial research concerned the replication of measles virus which led to the development of the measles vaccine. In other early work he was instrumental in establishing how viruses convey normal cells to malignancy. His work on the surface of membrane antigens of SV40-transformed cells has led to a better understanding concerning metastases and their control or enhancement. The demonstration that unrelated viruses, such as SV40 and the human adenoviruses, can interchange genetic information in a stable manner, leading to new properties of the hybrid virus was a landmark discovery. Possibly the most important contribution made by Dr. Rapp concerns the demonstration that herpes simplex virus, and subsequently cytomegalovirus, can transform cells in vitro to malignancy.

Dr. Rapp has numerous publications and chapters in most major textbooks dealing with microbiology, virology, and oncology. He is a member of the American delegation to the Soviet Union and France on matters dealing with viral oncology, is an elected member of the Board of Directors of the American Association for Cancer Research, and a member of the Board of Trustees of the Leukemia Society of America. He was elected chairman of the Gordon Research Conference on Cancer (1975) and was one of the Organizing Committee members of the International Meeting on Herpesviruses and Oncogenesis held at Harvard University (1977).

Burt L. Fenner, associate professor of music, has been given an ASCAP Award for 1977-78. These grants, awarded annually by the American Society of Composers, Authors and Publishers (ASCAP), are intended to "encourage writers of serious music."

Mr. Fenner, who teaches composition in the Music Department, has recently completed a commissioned work for the Philadelphia Composers' Forum. The piece, scored for voice, instruments and tape and based on a poem, "I Like a Look of Agony," by Emily Dickinson, will be premiered in Philadelphia.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, was installed as president-elect of the National Vocational Guidance Association at the recent convention of the American Personnel and Guidance Association in Washington, DC. Founded in 1912, the association's purposes include the promotion of research and the improvement of the standards of professional service in the field of vocational guidance. The membership of NVGA is now comprised of some 9,000 theorists and practitioners in the United States and abroad.

Dr. William W. Reynolds, assistant professor of biology at the Wilkes-Barre Campus, has been awarded an \$8,000 National Science Foundation grant for support of a symposium on

"Thermoregulation in Ectothermic Vertebrates" which he is organizing for the December 1978 annual meeting of the American Society of Zoologists to be held in Richmond, Va. The symposium will be co-sponsored by the ASZ Divisions of Comparative Physiology and Biochemistry, and of Ecology.

Dr. Philip Skell, Evan Pugh professor of chemistry, recently presented a colloquium at the University of New Orleans, La. He discussed reactions of succinimidyl radicals.

New Directions 36: An International Anthology of Prose and Poetry, edited by James Laughlin, includes short fiction by Paul West, professor of English and Fellow, Institute for the Arts and Humanistic Studies. "Another Minotaur," Prof. West's contribution, is based on an incident from World War II, in which sea-crocodiles attacked Japanese troops marooned on a Pacific island.

Dr. Betty van der Smissen, professor of recreation, delivered the first annual J. B. Nash Scholar Lecture at the recent national convention of the American Alliance for Health, Physical Education and Recreation (AAHPER) in Kansas City. Dr. van der Smissen's lecture was entitled "The Dynamics of Recreation." The Scholar Lecture is sponsored by the American Association for Leisure and Recreation.

Bookshelf

Dr. David S. Palermo, professor of psychology, is the author of *Psychology of Language*, recently published by Scott, Foresman and Co. The book focuses on the formulation, testing and evaluation of theories of how people acquire and use language.

For use as a text in courses in psycholinguistics or as a supplementary text in other psychology courses, the book emphasizes development of psycholinguistics and describes researchable problems in the new and growing field.

An authority on psycholinguistics, Dr. Palermo compiled much of his research for this book while at the University of Sydney, Australia, as a participant in the Fulbright-Hays academic exchange program.

Dr. Gideon S. Golany, professor of urban and regional planning, is the editor of a new volume, *Urban Planning for Arid Zones: American Experiences and Directions*, just released by John Wiley & Sons.

According to the publishers, the book is a "pioneering study of the architectural and land use elements of urban and regional planning in desert areas." Dr. Golany, who took his doctorate at Hebrew University, Jerusalem, is the author of three other volumes and has published widely in professional journals on the subject of arid zone planning.

Dr. Richard C. Bradt, professor of ceramic science and engineering, is co-editor of volumes 3 and 4 of a series entitled *Fracture Mechanics of Ceramics*. The work was published recently by Plenum Publishing Corp., New York, N.Y.

Volume 3 is entitled *Flaws and Testing*, and Volume 4 is on *Crack Growth and Microstructure*. The two volumes are the proceedings of an international symposium on the fracture of ceramics held at Penn State last summer. The first two volumes in the series, published earlier, are the proceedings of a conference held in 1972.

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Mr. Rockwell



Mr. Zimmerman



Dr. Rosen



Mr. Callu

Four Alumni Fellows to visit University

Four prominent graduates of the University will return to the University Park Campus next week to share their experiences and expertise with students, faculty, and staff as Alumni Fellows.

They are Willard F. Rockwell Jr., chairman of the board and chief executive officer, Rockwell International; Dr. Louis Rosen, director of the Los Alamos Meson Physics Facility and a participant in the development of the atomic bomb; Samuel Gallu, stage and screen writer, director, and producer; and Richard Zimmerman, president of Hershey Foods Corporation.

Dr. Rosen's visit is scheduled for April 23 through 25; Mr. Gallu's for April 23 through 26; Mr. Rockwell's for April 24 through 26; and Mr. Zimmerman's for April 26 through 28.

The Alumni Fellows program, established in 1973, is an invitation to outstanding alumni to meet formally and informally with students and others. When on campus, Fellows attend classes,

offer seminars, give lectures, and conduct question-and-answer sessions. The program is sponsored by the Office of the President, Penn State Alumni Association, and academic colleges of the University.

Mr. Rockwell, whose visit will be hosted by the College of Engineering, was elected chairman of North American Rockwell Corp. following its formation in 1967 by the merger of Rockwell-Standard Corp. and North American Aviation, Inc. The name was later changed to Rockwell International.

A registered professional engineer, he was graduated from Penn State in 1935 with a B.S. in industrial engineering. He is currently a trustee of the U.S. Council of the International Chamber of Commerce, a member of the Advisory Council on International Commerce for the Commonwealth of Pennsylvania, and director of the World Affairs Council of Pittsburgh.

Dr. Rosen, a guest of the College of Science, received B.A. and M.S. degrees from the University of Alabama and a Ph.D. from Penn State.

In 1944, he joined the Manhattan Project at Los Alamos, New Mexico, where he participated in the development of the atomic bomb. Over the years, he has made lasting contributions to the understanding of the fission process and the fusion process, and he was a pioneer in development and exploitation of techniques for neutral- and charged-particle detection. Dr. Rosen is a Fellow of the American Physical Society and of the American Association for the Advancement of Science.

Mr. Zimmerman, whose visit is sponsored by the College of Business Administration, has been associated with Hershey Foods Corp. since 1958 and assumed the presidency of the company two years ago. He was previously affiliated with Harrisburg National Bank & Trust.

A 1953 graduate of Penn State, he has been active in alumni activities and since 1975, has been a member of the board of directors of the College of Business Administration Alumni Society. Currently president-elect of the board, he will assume the presidency in 1979. He has also been elected to the Penn State Alumni Council.

Samuel Gallu, a 1940 Penn State graduate, got his start in show business with Fred Waring and his Pennsylvanians. His first play, *Give 'em Hell, Harry!*, about Harry S. Truman, had its world premiere in March 1975, and has played to rave reviews across the country. A production of it will open in Eisenhower Auditorium April 29.

Mr. Gallu has completed two screenplays, *Shooshowd at Salmon River* and *The Kennedy Mafia*, which have been optioned by major motion picture companies. His first novel, *The Emperor*, was published recently.

President

(Continued from page 1)

The University is still being forced to borrow money, he explained, because only \$33 million of the \$80 million which Penn State should thus far have received from its \$106 million total appropriation has been paid out.

"It's a question of cash flow for the State," Dr. Oswald said, "and we will catch up after income tax time."

In the area of planning, the President noted that a University Support Plan will be developed along with the Academic Policy Plan. The former will include data gathered from both academic support areas such as the library and from non-academic areas ranging from the heating plant to grounds maintenance; the two plans together will form a master plan for the University.

The University's timing is good, Dr. Oswald noted, since a first draft of a revised State master plan is just being completed.

"It is very important that Penn State's master plan be closely integrated with the overall State plan," Dr. Oswald said, adding that he was going to Harrisburg to review the State's proposals with other educators from April 12 to 14.

Dr. Oswald said that three objections which he had expressed about a plan to establish a newly reorganized university of the present State Colleges had been met.

He had been opposed to the use of the name Commonwealth University of Pennsylvania because he felt it might be confused with both Penn State and Penn. The overall system name finally selected for the State Colleges and Indiana University is the Keystone State University system.

Again, he had opposed designating the independent board of which will control the system as a Board of Regents because of

the implication that this might be a board — as in New York State — to which all of higher education would report. The name has been changed to Board of Governors.

In this regard, Dr. Oswald noted that he felt it made good educational sense to take the State Colleges out of the direct operational control of the Department of Education and set up a separate board.

"Right now, all State segments of institutions may suffer a little," he said, "because while the Department coordinates all the segments of higher education, at the same time operates one of the segments — the State Colleges."

Dr. Oswald's original objection to the new overall Keystone University, which has also been met, was the stated mission — that the State Colleges would have a graduate education, professional education and research mission similar to that of Pitt, Penn State and Temple. This has been changed.

"The important thing is the definition of the State Colleges' mission," the President said. "That mission now clearly states that they will offer a broad, comprehensive liberal arts and teacher education at the undergraduate and master's degree level, with research primarily related to their region and to the institution itself."

"Given these changes, and my feeling that it is important to have the State Colleges out from under the day-to-day control of the Department of Education, I don't object to the bill. Indeed, I think it has some pluses for our University in the long run."

"I do think there will be a great deal of argument about the bill. There are differences in Harrisburg between the various State units. Secretary of Education Caryl M. Kline supports the bill strongly. I don't think Budget Secretary Charles McIntosh does."

Among other points which the

President made at his news conference were the following:

Nothing will be done about changing the calendar from a term to a semester system until a very careful financial analysis has been made to determine the fiscal savings resulting from such a move. Dr. Oswald noted that about three-quarters of the institutions of Penn State's general type — and particularly those in the northern states — are now on an early semester system, during which they essentially close down during January.

— The University's financial officers sat down with representatives of the Association of Residence Hall Students to determine what would be an appropriate refund for the extra week's vacation between winter and spring terms. The daily room and board rate was determined to be \$6.13. From this was deducted such fixed costs as debt service, 12-month salaries, utilities and major maintenance expenses. These totaled \$3.99 a day. There were also a series of costs related to the closing — unemployment insurance, vacation time, and continuation of fringe benefits. These came to \$1.06 a day. When these were also deducted from five days of room and board charges, the total came to \$8.40.

— He has had no official word when State Representative Fred A. Trello and his committee plan to investigate expenditures at Penn State, although he has heard informally that they will come to University Park sometime in late April.

"The University is prepared to show the committee anything it would like to see," Dr. Oswald commented. "I really don't anticipate our being any kind of scapegoat. The investigation is just another form of the State's wanting to be sure that institutions receiving State monies are fully accountable. If there are rumors that need to be put down, this will give us an opportunity to do just that."

— Neither PennPIRG nor any other student organization, through his recommendation, will receive access to the University's official billing system. There are regular University rules for student organizations to follow in soliciting money, and if PennPIRG wishes to solicit funds, it should operate like any other student organization.

Funding Sources

For further information, call 865-1372

(309-1) The National Endowment for the Arts has announced deadlines for its Media Arts Film/Radio/Television programs, ranging from May 1 through Dec. 15. Grant categories include: Regional development — media centers, film/video exhibition, workshops; Production Aid; Fellowships — independent filmmaker, video artists, film archival. Services to the Field; General Programs; and Challenge Grants. (Ref. 43FR 4635-36, 4678) (NIE Announcement)

(309-2) The Russell Sage Foundation has announced seven major new programs of research. The foundation supports social science research relevant to public policy issues. Program descriptions include: Culture — patterns of food use; Citizenship — citizens role in the democratic process; Institutions — shaping of public policy through organizations; Policy Analysis — mid and late career work, technical policy studies; NYC project, and theory of policy analysis; and Technical Policy Studies — alternative energy sources, environmental hazards, and methods of technology assessment. (Ref. RSF/RFP 1978)

(310-1) The HEW National Institute of Education has published proposed rules and set a May 31 deadline for its Educational Equity Research Grants Program. Eligible projects include: educational equity theories, desegregation, multicultural/bilingual education, and barriers to women's educational equity. (Ref. 43FR 4635-36, 4678) (NIE Announcement)

(310-2) The National Endowment for the Humanities has announced a June 1 deadline for Fellowships for Independent Study and Research. These carry a maximum stipend of \$20,000 for a 6- to 12-month tenure. Applications are accepted from both established scholars and others of ability and promise. Degree candidates are not eligible. Other NEH fellowship programs are: Fellowships in Residence for College Teachers; Summer Stipends; Resident Seminars for College Teachers; and Fellowships for the professions.

Report of the Senate Ad Hoc Review Committee on Baccalaureate Degree Requirements

Editor's note: The following report has been submitted to the University Faculty Senate for action at its May 2 meeting.

AD HOC COMMITTEE ON BACCALAUREATE DEGREE REVIEW

This report presents educational objectives and appropriate educational experiences for the general education requirements. The first four sections of the report correspond to categories of these requirements:

- I. Advanced Learning Skills:
Communications and Quantification
- II. Health Sciences and Physical Education
- III. Distribution or Breadth
Requirement: Natural Sciences,
Arts, Humanities, Social and
Behavioral Sciences
- IV. A Suggested Integrative Learning
Component: Capstone Courses or
Projects Experiences,
Interdisciplinary Programs,
Integrating Themes, Work-Study
Programs

A fifth section treats the topic of Implementation.

Appendix A describes the procedures used in the review and some of the major issues considered.

The Committee proposes two recommendations for action by the Senate.

Recommendation 1.
The Senate approves the general education requirements set forth in the report, sections I-IV.

Recommendation 2.
The Senate approves the implementation set forth in section V.

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INTRODUCTION

The requirements for the baccalaureate degree at Penn State from the Calhoun report of 1954. Although the recommendations in that report were by no means fully implemented, they have had a profound influence on the curriculum. A second major study of the baccalaureate degree requirements, undertaken by the Senate in 1970, resulted in the Cunningham report. Its principal recommendation — that the colleges have autonomy in seeing that every graduate achieve seven specified objectives — was not accepted by the Senate. Another committee (chairman, V. Dupuis) was charged with continuing the task of revision, and its report, adopted in 1973, established the requirements now in force. These requirements (BDR II) are outlined in the undergraduate catalog, pp. 37-38.

The legislation creating BDR II stipulated that the program be reviewed in five years.

Accordingly, in February 1977 the chairman of the Senate appointed an ad hoc committee (chairman, T. D. Larson) to undertake a review and submit recommendations. The committee herewith offers its proposal for a substantive revision of BDR II.

A PROPOSAL FOR MODIFYING THE CURRENT BACCALAUREATE DEGREE REQUIREMENTS

This proposal responds to issues identified during our review and analysis of BDR II. (See Appendix A and The Senate Record, Vol. 11, No. 3, Nov. 1, 1977 for a summary of problems brought to the attention of the committee.) It

Table I. Minimum Credit Distribution Requirement by College

Colleges	N.S.	A.	H.	S.&B.S.
Agriculture	6	6	6	6
Arts & Architecture	6	6	6	6
Business Administration	6	6	6	6
Earth & Mineral Sciences	6	6	6	6
Education	6	6	6	6
Engineering	6	6	6	6
Health, Physical	6	6	6	6
Education, & Recreation	6	6	6	6
Human Development	6	6	6	6
Liberal Arts	6	6	6	6
Science	6	6	6	6
Divisions	The Behrend College			
Div. of Arts and				
Humanistic Studies	6	6	6	6
Div. of Social and				
Behavioral Sciences	6	6	6	6
Div. of Natural				
Sciences and Engineering	6	6	6	6

has been influenced by recent thinking on general education, as reflected in reports from other institutions engaged in curricular review. Finally, it has been shaped by our recognition of the opportunities and limitations imposed by our own institutional setting.

Briefly, the aim of the proposal is to preserve the flexibility of approach suitable to a large, diversified university and, at the same time, to arrest the atomization and overspecialization of the curriculum by identifying what is essential in the general education of our students.

Commonly accepted goals of baccalaureate degree requirements are (1) to provide skills for advanced study and lifelong learning; (2) to develop some understanding of ourselves, of others, and of our environment; and (3) to develop the capacity to integrate our learning with past and present experiences and so strengthen our potential for contributing to society.

To meet these goals, three categories of requirements are traditionally established: the requirement for advanced learning skills, as in writing and mathematics; the distribution, or breadth, requirement that introduces students to main areas of knowledge; and the requirement for integrative learning experiences that develop common understandings across boundaries of discipline, time, and place. Our proposal adds a fourth category with its requirement in health sciences and physical education. The total of credits for all categories is 43. The sections that follow specify objectives for each of these categories and propose either courses or kinds of academic experiences that help students achieve those objectives.¹

I. Advanced Learning Skills Requirement¹

Communications (9 cr)

The objective is for the student to communicate information clearly and set forth his beliefs persuasively both orally and in writing. In particular, he must be able to write expository prose sufficiently mature in content and proficient in form and style to meet the expectations of educated readers.

Courses designed to help students achieve these goals currently include

Speech Communications: Only 200 (200A, 200B, or 200C)

English: Only 120, 20, 30, 117, 119, 211.

Quantification (6 cr)

The objective is for the student to work with numbers so as to measure space, time, mass, forces, and probabilities; to reason quantitatively; and to apply basic mathematical processes to daily work and everyday living.

To meet the quantification requirement, three credits are selected from mathematics, applied mathematics, or statistics; three additional credits are selected from mathematics, applied mathematics, statistics, computer science, and symbolic logic. Currently approved courses that meet the quantification requirement include

Mathematics: All courses except 200, 201, 202, 203, 400, 401, 402, 413, 414, 416, 425, 426, 470, 471.

Applied Mathematics: All courses

Computer Science: All courses except 1

Statistics: All courses

Philosophy: 12, 212.

II. Health Sciences and Physical Education Requirements (4 cr)

The objective is for the student to know how to achieve and maintain good health and to achieve a degree of skill in recreational activities that will provide him with pleasure and relaxation in addition to contributing to his physical well-being.

This requirement is satisfied by one credit in health sciences and three credits in physical education. Courses that meet these objectives currently include

Health Sciences (1 cr)

Food Science: Only 205

Health Education: Only 3, 19, 43, 46, 48, 57, 60, 303, 304, 406, 443

Nutrition: Only 100, 119, 120, 150, 351, 390, 420, 421, 452, 457, 459

Physical Education (3 cr)

Physical Education: Only 5, 9, 10, 181.

III. Distribution, or Breadth, Requirement (24 cr)

For the purpose of defining the distribution component of the baccalaureate degree requirements, this report specifies four areas of knowledge: Natural Sciences, Arts, Humanities, Social and Behavioral Sciences. The primary function of the distribution, or breadth, requirement is to ensure educational balance. For example, 18 of the 24 credits will be used by students in Engineering to acquire some knowledge of the arts, the humanities, and the social and behavioral sciences.²

The remaining 6 credits permit a student to explore a field related to, but not identical with, that of his program or department. Courses that satisfy the distribution requirement within his college (or, in the case of Science and Earth and Mineral Sciences, the two colleges) must be selected from subjects outside the student's department or program. For example, a Physics major may not use courses in physics to satisfy the Natural Sciences requirement; he may use courses in astronomy, geology, biology, meteorology, and so on. A History major may not use courses in history to satisfy his Humanities requirement; he may elect courses in philosophy, literature, religious studies, foreign languages, and so on. The department or program takes the initiative in determining which courses will satisfy the 6-credit requirement; its proposals are subject to the approval of the Associate Dean for Resident Instruction in its college.

To determine the 18-credit component of the requirement, the college being served will take the initiative in a process of intercollegiate consultation. Each college will prepare plans for its departments and programs to meet the requirement and will submit those plans to the Senate for approval. An essential part of the process is that for courses in the natural sciences, the Colleges of Science and of Earth and Mineral Sciences share in the consultative process; that for courses in the arts, the College of Arts and Architecture be consulted; that for courses in the humanities and in the social and behavioral sciences, the College of the Liberal Arts be consulted. In each case, written evidence of consultation will accompany the proposed plan for meeting the distribution or breadth requirement.

In reviewing and approving plans submitted for meeting the distribution requirement, the Senate subcommittee (see Implementation) will use (1) the credit distribution specified in

Table I and (2) the statements of educational objectives for each of the four areas of knowledge.

Natural Sciences

The objective is for the student to understand the nature of science through exposure to the broad dimensions of science — physical science, biological science, earth science, and various applied sciences; to know how to acquire factual information; and to develop an appreciation of the natural world.

Educational experiences that meet these objectives focus on the facts, theories, laws, and concepts of science, on their history and on their method of discovery. Students should gain some understanding of how scientists reason and how they draw conclusions. They should do laboratory work in at least one area of science.

Arts

The objective is for the student to develop aesthetic understanding and appreciation. Educational experiences that meet this objective inform students of the nature of their aesthetic responses; acquaint them with past and present achievements in the visual arts, architecture, landscape, music, and theater; and equip them with criteria for judging those achievements. Students should participate in the creation or performance of an art work of one kind or another in order to appreciate the process of creativity.

Humanities

The objective is for the student to develop an awareness of the complexities of being human. Through the study of history, literature, philosophy, and ethics, students develop a sense of moral judgment and ethical values, of the power of language and the imagination, and of what history can tell about the nature of man and what lessons it offers for their own time.

Educational experiences that meet these objectives expose students to competing philosophies and values, to the adventures of chance and choice and history, and to varied ways of life and conduct explored by men and women, past and present, real or fictive.

Social and Behavioral Sciences

The objective is for the student to identify factors that shape patterns of personal behavior, to learn how social groups are formed and maintained, and to gain some knowledge of both the causes and effects of cultural differences.

Educational experiences that meet these objectives acquaint students with some of the intricacies of behavior patterns — their own and others' — the dynamics of group interactions, and the reasons why individuals and peoples are different from and similar to one another.

IV. Integrative Learning Experience

The committee is not recommending at this time that an integrative component be specified for the baccalaureate degree requirements. It seems reasonable, however, to expect that students will be assisted in pulling together what they learn as they move through the curriculum, and we urge departments to provide courses, programs, and projects to this end. Among the objectives to be sought by the students in the integrative process are (1) an appreciation of their heritage; (2) an understanding of how their educational experiences relate to their future work and to the complex problems confronting society; and (3) the development of an enriched set of values and principles.

Some examples of how such integration might be achieved are

1. Capstone Courses or Projects. Particularly in the professional colleges, senior projects might be developed.
2. Interdisciplinary Programs. One example is the STS program, which meets the objectives of integration through giving the history of technology, demonstrating its impact on our everyday activities, and making clear how urgently we need viable systems that will permit us to coexist with aggressive modern technology. Other thematically organized programs might be developed by interested faculty. Some topics that have been suggested are "Law, Morality, and Society," "Environmental Action and Legal Cultures," and "Language as a Human Resource."
3. Integrating Themes. In all colleges,

(Continued on facing page)

1978-79 Budget Presentation

Editor's note: This is the last in a series of five articles extracted from the University's Budget Presentation Booklet.

MEDICAL EDUCATION

Primary health care, which includes family practice, and adequate geographic distribution are the areas that the State has deemed the most essential for Pennsylvania's medical needs, and the College of Medicine has designed its policies and priorities to be responsive to these needs. In addition, contributions to the Commonwealth have rapidly expanded in other important areas. The Teaching Hospital has achieved a fully self-supporting operation (including depreciation) without any State support. It provides a high quality and wide scope of public service in patient care, and it has become a total State resource.

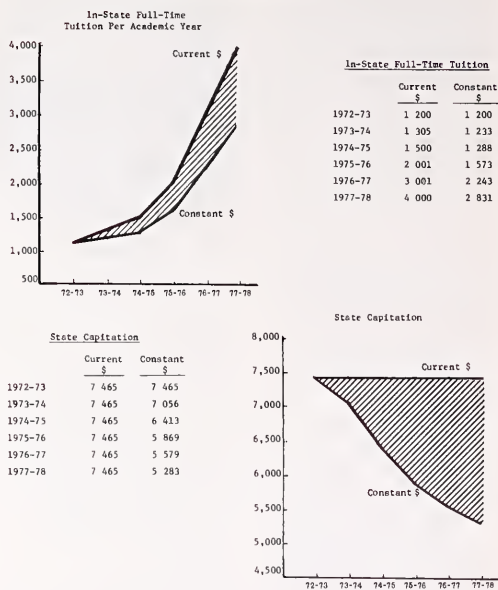
Outstanding medical research contributions have been made, particularly in respect to cancer and heart disease. Training programs for an expanding range of related health professions, including graduate medical sciences, nursing, physician's assistants, and radiologic technology have been introduced to deal with other areas of medical needs in the Commonwealth. Graduate medical education programs specifically designed to encourage new physicians to understand and consider primary care practice and to practice in areas of the Commonwealth presently experiencing a shortage of doctors have been initiated. A significant pilot facility in

Millersburg, Pennsylvania, designed to demonstrate effective new patterns for health centers to relate to rural areas in providing high quality primary health care, has already demonstrated its utility to the community. Finally, programs in continuing education, both for providers and for consumers of health care, provide a means for Pennsylvania's population to remain current in matters pertaining to health.

The per capita appropriation for medical education has not changed in seven years. As a result, the College of Medicine has been increasingly hard pressed to provide for increasing costs due to inflation. The cumulative financial pressures on the College are even greater than those experienced by the University in general.

The significant loss in purchasing power of the per capita appropriation has necessitated tuition increases totaling \$3,000 between 1971-72 and 1977-78 — from \$1,000 to \$4,000 per year. Figure 6 shows the extreme contrast between escalating tuition charges and the constant per capita appropriation. The ability of the College of Medicine to provide the programs and health services needed by the Commonwealth has been eroded to the point at which serious program damage will occur if the level of State support is not increased. This is particularly tragic in light of the College's leadership in program innovations and services in the important areas of family practice and primary health care and improvement of geographic distribution.

FIGURE 6
THE PENNSYLVANIA STATE UNIVERSITY
THE MILTON S. HERSHY MEDICAL CENTER



BDR report

(Continued from preceding page)

courses in history, philosophy, art, economics, and the sciences could be used to develop themes such as

"Characteristics of Civilizations," "Man and the Environment," and "Alternative World Views."

4. Work-Study Programs. In all colleges, alternating periods of work (perhaps in the form of internships) with regular academic activities could result in a valuable integrative experience for some students.

Through their colleges, departments and programs are asked to submit evidence that they are offering students opportunities to integrate their learning. This evidence to be reviewed periodically by the Senate Subcommittee (see Implementation).

V. Implementation

Baccalaureate degree requirements must receive continuing attention. If this proposal is adopted, we recommend that a standing subcommittee of the Senate Curricular Affairs Committee be appointed to work with the Provost in implementing it. The subcommittee will continue to study and develop the educational objectives outlined in this report, encourage and plan models for the various educational experiences identified in it, and keep abreast of national developments in general education. It will be responsible for approving all proposals relating to the baccalaureate degree requirements and will make annual reports to the Senate on the status of these programs.

Four specific conditions follow:

1. Courses taken to meet the baccalaureate degree requirements may not be taken under the pass-fail option.
2. When a student changes major, the department outside his/her new department or program taken to satisfy the distribution, breadth, requirement will be accepted by the department to which he/she is transferring. For instance, six credits in Arts taken for a student in Chemistry will be accepted as six credits in Arts by the History Department.
3. Each major will identify the 43 credits that make up the requirements for its baccalaureate degree for publication in the undergraduate catalog.
4. Through their respective colleges,

departments and programs will submit plans for meeting these baccalaureate degree requirements, together with evidence of the consultative process, to the standing subcommittee of the Curricular Affairs Committee no later than May 1, 1979.

APPENDIX A ISSUES AND PROCEDURES

An Ad Hoc BDR Review Committee was named Feb. 1, 1977 and charged with "determining whether the BDR requirements are still satisfactory in their present form or whether some changes should be made." The committee immediately engaged in a process of fact-finding and analysis. Fact-finding included examination of a sample of student transcripts to determine precisely how the BDR requirements have been met. Administrative personnel, faculty, and student representatives of the colleges were then interviewed to gain insight into both operational problems and opinions about BDR II.

The committee held intensive discussion and analysis sessions before attempting to draft recommendations. The ten issues following are illustrative of those considered.

1. The climate on higher education has changed markedly since the BDR II requirement was passed — towards more specificity in the prescription of requirements. How should PSU respond?
2. How does a diversified university give attention to the general education component, approximately one-third of the curriculum, given the pressures for specialization in every area?
3. Should the general education component be accorded a more substantial place in the curriculum and, if so, how is that to be accomplished?
4. Can we be specific regarding courses appropriate to meeting the BDR requirement?
5. Are the area coverage and credit assignment proper for all colleges? For the Commonwealth campuses?
6. How can we assure "minimum" performance in advanced learning skills, that is, in mathematics and the use of the English language?
7. In developing BDR, should we adopt the concept of stating and working towards educational objectives as opposed to counting credits?
8. Can general educational courses be provided when and where they are needed to permit students to make normal progress?
9. Do we provide students adequate opportunity to understand modern technology?
10. What should be the "process" for change in the BDR?

A first effort toward resolution of several of these issues was reported informally to the Senate on Nov. 1, 1977. The most notable item was a tentative listing of specific courses to meet the current BDR II areas. The widespread criticism of this report reinforced the committee's feeling that a substantial revision was needed. To this end, a subcommittee was charged with drafting a report responsive to the many issues under consideration by the committee. Its report was received on Jan. 23, 1978. From that time until mid-April the committee worked to refine the report, in the process engaging in extensive consultation throughout the university community.

1. Two publications particularly influential in the discussions of the committee are *Missions of the College Curriculum: A Contemporary Review with Suggestions by The Carnegie Foundation for the Advancement of Teaching* (San Francisco, CA: Jossey-Bass, Inc., Publishers, 1977) and *Educating for Survival* by Ernest L. Boyer and Martin Kaplan (New Rochelle, NY: Change Magazine Press, 1977). The Carnegie Foundation publication provides an encyclopedic review of college curricula in the United States, describes the forces of change, analyzes current needs, and proposes methods for implementation. Boyer and Kaplan argue persuasively that the curriculum must have a core and propose one that emphasizes the common aspects of human experience. They argue further that this commonality must be preserved if our society is to survive.
2. The committee has here drawn heavily on the Cunningham report, which was presented to the Senate in July 1971.
3. Competency tests should be refined and their use expanded in order to place students properly in courses designed to meet the requirement in advanced learning skills.
4. As resources permit, departments should explore ways of meeting the distribution requirement other than through using introductory courses intended for students in the major.
5. John J. Coyle, Chairman University Faculty Senate, February 1, 1977.
6. See also *The Senate Record*, Vol. 11, No. 3, Nov. 1, 1977.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Apr. 27. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

MEDICAL TECHNOLOGIST — STUDENT AFFAIRS, University Park. Responsible to Senior Medical Technologist for the performance of a variety of standardized laboratory tests and procedures. Bachelor's degree and A.S.C.F. certification or its equivalent, plus three to six months of directly related experience.

EDITORIAL ASSISTANT — CONTINUING EDUCATION, University Park. Responsible to the PENNARAMA Coordinator, the editorial assistant will assist in writing, coordination, and completing other tasks to support the operation of the PENNARAMA Continuing Education Cable Television Network. Specifically, the editorial assistant will prepare scripts and obtain graphics for program continuity, prepare program logs, coordinate program shipping, coordinate production of continuity material and PENNARAMA program package, and assist in writing reports and developing the program schedule. The editorial assistant will also support promotion and utilization components of PENNARAMA. Bachelor's degree in journalism, English or related field and 12 to 18 months of directly related experience in television production or news release writing. An associate degree and one to two years of directly related experience may be substituted for the degree.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park. Perform biochemical analysis upon various animal tissue, tissue fractions, and body fluids. Collect tissues and body fluids and prepare the samples for analysis. Conduct *in vitro* experiments on the metabolism of shell gland tissue. Summarize and report results obtained in investigations. Prepare histological sections of selected tissues for microscopic examinations. Bachelor's degree in medical technology, biochemistry, or related biological sciences or its equivalent and one year of directly related experience in biochemical and biological techniques required.

UNIVERSITY PHYSICIAN — STUDENT AFFAIRS, University Park. Responsible to Director, University Health Services for providing medical care to Penn State students, as well as emergency care to University faculty, staff, employees and visitors. Duties and responsibilities are performed under general direction and interpretation of University policy with regard to general objectives. Work is performed independently toward general results. Problems are rarely referred. A Doctor of Medicine degree, or its equivalent from an accredited school of medicine or osteopathy and a license to practice medicine in the Commonwealth of Pennsylvania, plus four to five years of previous directly related experience. Position available July 1, 1978.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed, although names will be withheld on request.

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since a number of these questions are of general interest to the University community, we are running them and the answers in INTERCOM.

QUESTION:

There is no comprehensive listing of the various copy services and their capabilities available around the campus. This causes much unnecessary duplication of data gathering. Such a listing with costs should be made available.

ANSWER:

There are seven copy center locations now available to University users. These locations are:

- Room 20 Old Main
- Room 116 Rackley Bldg.
- Unit "C" Research Bldg.
- Room 266 Recreation Bldg.
- Room 5A Mineral Industries Bldg.
- Room 13 Whitmore Lab
- Room 101 Hostetter Business Services Bldg.

Each of these centers is designed to give customers fast and economical copies. Copies will be printed on 20# white paper in black ink. For best results, originals should be on white paper with black ink or dark typewriter ribbon. Copy can be reduced by 4, 25, or 35 percent at no additional charge.

The Centralized Copy Center price schedule is as follows:

1-10 copies of ea. original —	
\$.10 per original plus 2.0¢ per copy	
11-25 copies of ea. original —	
\$.10 per original plus 1.8¢ per copy	
26-100 copies of ea. original —	
\$.10 per original plus 1.6¢ per copy	
101-200 copies of ea. original —	
\$.10 per original plus 1.4¢ per copy	
201-300 copies of ea. original —	
\$.10 per original plus 1.3¢ per copy	
301-400 copies of ea. original —	
\$.10 per original plus 1.2¢ per copy	
EXAMPLE: 30 copies each of 6 originals	
6 originals × \$.10 ea. — \$.60	
6 originals × 30 copies ea. 180 copies	
180 copies × 1.6¢ per copy — 2.88	
Total Cost	\$3.48

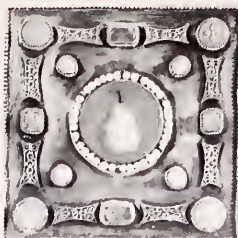
Collating is also available to our customers. Multiple sheets sets can be collated for an additional charge of \$3 per 1,000 sheets collated, with a minimum charge of \$3 per job.

Departments may also use our credit card system. These cards are available by writing a memorandum to Mr. Bowman, Room 101 Hostetter Business Services Bldg. Included in this memorandum should be the department name, address, budget number, fund number, and a contact person in the event of billing problems. These cards may be used at any of the copy centers. Payment of credit card charges is made by a monthly Interdepartmental Transfer Form (I.D.T.).

Centralized Copy Center services also provide a duplication service for the reproduction of student theses. The Graduate School will provide each student with the necessary information to obtain this service.

D. Lewis Mothersbaugh

Director, Printing and Communication



Kulicke's "Book Cover with Pear Jewel."

Arts Roundup

Works by Kulicke to be shown by Museum

An exhibition of works by Robert Kulicke now at the Museum of Art will continue there through June 25.

"Robert Kulicke: Painter, Designer, Craftsman" includes paintings, frame designs and jewelry, the three areas with which the artist is most closely identified.

Mr. Kulicke is best known as the designer of the sectional metal frame and the plexibox. The plexibox was designed for the photography department of the Museum of Modern Art in 1964.

His paintings are largely still lifes and landscapes, and the outside dimensions of his works seldom exceed 10 inches on a side.

With Jean Reist Stark, Mr. Kulicke operates the Kulicke-Stark Academy of Jewelry Art. His jewelry interests include cloisonne enameling and loop-in-loop chainmaking, as well as jewelry techniques originated by the Etruscans, Visigoths and Celts.

A Philadelphia native, Mr. Kulicke studied at the Tyler School of Art in that city and later with the French painter Fernand Leger in Paris.

Two film directors will screen works

Film directors Sidney Pollack and Lamont Johnson will visit the University Park campus this week (April 20-22) to participate in a "Celebration of Film."

Mr. Johnson, director of the film *One on One*, will attend a screening of his film and participate in a question-and-answer period after its showing at 8 p.m. Thursday, April 20 in Eisenhower Auditorium.

Mr. Pollack, who directed *They Shoot Horses, Don't They?* and *Bobby Deerfield*, will be present for a screening of these films and an informal interchange with the audience at 7 p.m. Saturday, April 22 in Eisenhower.

Both events are open free to the public. They are being sponsored jointly by the University's Department of Theatre and Film, the Institute for the Arts and Humanistic Studies and the Penn State Student Film Organization.

Zindel play at Kern

And Miss Randon Drinks a Little, a play by Paul Zindel, will be presented in Room 102 of the Kern Graduate Commons at 8 p.m. on Saturday and Sunday, April 29 and 30. Tickets are \$2.50, which includes the price of a make-your-own sundae bar, lemonade, coffee or tea.

And Miss Randon Drinks a Little is a bitingly funny play about the complex family ties that bind the lives of three sisters. The play's action traces the shattering effect of the youngest sister's mental breakdown on the lives of the other two.

Tickets and reservations are available at the Kern Information Desk or by telephoning 865-1878.

"Give 'em Hell Harry" to return April 29

A newly revised version of the popular one-man dramatization, *Give 'em Hell Harry* by 1978 Alumni Fellow Samuel Gallu and starring Kevin McCarthy will come to Eisenhower Auditorium on April 29. Proceeds from the performance will benefit the Simeon and Elizabeth Gallu Scholarship Fund. The play explores the many facets of Harry Truman, a President who never hesitated to speak his mind. Tickets will be available from 9 a.m. to 4 p.m. at the auditorium box office beginning Monday, April 24. They are priced at \$5 and \$4 and may be charged to MasterCard or VISA accounts by calling 863-0255. No reservations will be taken by phone, however.

Landscape architect to talk April 24

David Streetfield, assistant professor of landscape architecture at the University of Washington, Seattle, will speak on "California's Landscape Architectural Heritage" at 7:30 p.m. Monday, April 24 in Room 26 Mineral Sciences Bldg. His talk is part of the spring lecture series of the Department of Landscape Architecture.

Kenneth Frampton, architecture critic and historian and a member of the faculty of the School of Architecture of Columbia University, will speak at 7:30 p.m. Thursday, April 27 in Room 121 Sparks. His talk is part of the spring lecture series of the Department of Architecture.

Jewelry exhibit at Kern

David Stinebrink, a research assistant at the Garfield Thomas Water Tunnel, is having an exhibit of jewelry he has made at the Kern Commons Gallery through April 29.

Mr. Stinebrink received his B.S. and M.S. degrees in aerospace engineering from Penn State. He has been working in silver for six years.

New Kensington staff display photographs

Photographs by John McNavage, William Fueller and William Bishop are on display at the New Kensington Campus through April 28.

Dr. McNavage, an assistant professor of English at the Campus, works mainly outdoors, emphasizing landscapes and wildflowers. His photographs have appeared the last three years in the Photography Joint Show of the Three Rivers Festival. He won a first prize in the slide category of "The Natural World" photo contest last year at the Carnegie Museum of Natural History in Pittsburgh.

Mr. Fueller is currently senior instructional services specialist at New Kensington. He works largely in black and white, and his subjects include figure studies, portraits and seascapes.

Mr. Bishop worked for two years as assistant media specialist at New Kensington. He is primarily a nature photographer. In 1976, he exhibited in the juried show at the Three Rivers Festival.

"Consciousness" is Black Arts Festival theme

Music, fashions, drama and political symposiums will be featured at the 10th annual Spring Black Arts Festival.

"Consciousness" is the theme for the event, scheduled from Friday, April 21 through Tuesday, April 25.

"This year's program places a strong emphasis on the African black community in an effort to create an awareness of the different aspects of black culture," according to Anita M. Thomas, of Philadelphia, and Michael Brennen, of the Bahamas, coordinators of the Black

Caucus Arts Festival Committee.

"As in the past, the Arts Festival provides a format for us to share the black experience with the University community."

The festival will open with a series of symposiums beginning at 11 a.m. April 21 in the Hetzel Union Bldg.

Scheduled to speak are:

Elizabeth Clark Lewis, research assistant to Alex Haley, on "Black Genealogy and Finding One's Roots"; John Lewis, director of VISTA, on "State of Black Politics"; L. T. Edwards, director of Congressional Liaison Office, U.S. Commission on Civil Rights, on "Civil Rights and Ramifications of the Bakke Case."

Following the symposium, a Pre-African Liberation Day Rally will be held at 3 p.m. on the lawn outside HUB. Featured speaker will be Jeff Dumo Bagwa, director of projects for the Southern African Student Movement.

Displays created by black organizations at Penn State may be seen from noon to 4 p.m. Saturday, April 22, at the Paul Robeson Cultural Center. A talent show and fashion show will be held at 7 p.m. in the Cultural Center.

The Elizabeth Graves Drama Associates, of Philadelphia, will present "The Rapture" at 3 p.m. Sunday, April 22 in the Cultural Center. Colloquy will sponsor a talk by former Olympic champion Wilma Rudolph at 8 p.m. Monday, April 24, in Eisenhower Auditorium.

Throughout the day on Tuesday, April 25, the Harlem Repertory Theatre will conduct a series of workshops in Eisenhower on dance, percussion, acting and the role of contemporary black arts. At 8 p.m. in the auditorium, the group will present "Comments on For Colored Girls Who Have Considered Suicide When the Rainbow Is Enuf."

Admission is free to all events of the Black Arts Festival, which is being planned and organized by the Black Caucus, a student organization, and the Paul Robeson Cultural Center.

Artists Series

(Continued from page 1)

information on the coming season, call the Artists Series, 865-1871.

The sale of subscriptions to new patrons will begin at Pine Cottage on Tuesday, May 2, at 9:30 a.m. and will continue daily from 9:30 a.m. to 12:30 p.m. and from 1:30 to 3:30 p.m. Phone orders cannot be accepted.

Transportation proposals asked

Any assistant professor or faculty member of similar rank who is not now affiliated with The Pennsylvania Transportation Institute is invited to submit a proposal to the Institute for a 1978 research initiation grant. The award provides a stipend that may include one month's summer support, plus continuing assistance during the 1978-79 academic year. Support provided is limited to approximately \$3,000.

The proposed research can involve any topic having to do with transportation, including safety. The grant will be awarded on the basis of relevance of the topic, intelligibility and appropriateness of the research plan, and the potential of the researcher to carry out the plan.

Further information may be obtained from the research grant committee at the Pennsylvania Transportation Institute, Research Bldg. B. The proposal deadline May 1; the awards will be announced before May 15.

News in brief

(Continued from page 1)

Departments owning an Ektagraphics (model AF-1, AF-2, AF-3, AF2K, B-2 or E-2) projector, purchased after March 1, 1977, with a silver and black Kodak emblem on the top, and with a four-letter code imprinted on the bottom of the projector near the lamp housing beginning with "Y" or "C" should call the Department of Purchasing Services (865-7561) for instructions regarding return for repair without charge.

Reminder issued on health insurance

Faculty and staff members with children are reminded that dependent children are covered under the University's health insurance program until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23. Therefore, it may be desirable to seek other health insurance coverage in advance for such individuals approaching age 19 or 23, as applicable.

The University's insurance carrier does offer a hospital/surgical/major medical plan to which the group insurance program may be converted. Information and application forms for this conversion coverage may be obtained from the Employee Benefits Division, Room 133 Willard Bldg. (865-1473). Information about other, independent coverage can be obtained from commercial agencies or salespersons.

Engineer to discuss Biodynamic Modeling

"Biodynamic Modeling — the Human Spine," will be the topic of Dr. Ted B. Belytschko, Distinguished Lecturer in Mechanical Engineering. He will speak at 11 a.m. Thursday, April 27, in Room 103 Mechanical Engineering Bldg.

Dr. Belytschko, professor of civil and nuclear engineering at Northwestern University, earned his doctorate at the Illinois Institute of Technology. He holds the Phi Tau Sigma gold medal awarded by the American Society of Mechanical Engineers and the Walter Huber Research Prize of the American Society of Civil Engineers.

In his talk he will discuss the effects of such stresses as pilot ejection or frontal impact on the human spine, torso and head.

Firewood for next winter

The School of Forest Resources is taking orders for dump truck loads of freshly cut, unsplit hardwoods for summer delivery. There is a choice of four lengths, from 8-feet (\$39/standard cord) to 16-inch (\$78/standard cord). Inquiries may be made from 8 a.m. to 5 p.m. Monday through Friday at Room 106 Ferguson Bldg., or by calling 865-4237. Delivery is free within 10 miles of Pine Grove Mills.

AID executive to speak on world hunger

The Student-Faculty Board of the College of Human Development will conduct the second in its programs dealing with world hunger on Monday, April 24.

Featured speaker for the program, scheduled for 7 p.m. in Room S-209, Henderson Human Development Bldg., is Daniel E. Shaughnessy, associate and deputy coordinator of the Agency for International Development's Office of Food for Peace.

Members of Bread for the World, national citizen's lobby, will attend and participate in the program.

Mr. Shaughnessy, a graduate of John Carroll University, attended Boston College Law School and received his M.S. in government administration from George Washington University. He joined

AID in 1963 and served for four years as director of its Food for Peace Branch and Food and Nutrition Division in New Delhi. He has held numerous other positions with the agency.

Naiads show opens tonight

The annual synchronized swimming show presented by the Penn State Naiads Club opens tonight (April 20) with the first of three performances. Tickets are available at the Natatorium beginning at 7:30 p.m. for the 8 p.m. performances Thursday, Friday and Saturday. All tickets are \$1.

This year's show, "Sound Waves," features 14 routines, choreographed and swum by the 29 students members of Naiads to music ranging from jazz to classics.

Griots will offer Mandinka poetry

"An Evening of Mandinka Poetry and Song" will be presented by three griots from Mali, West Africa, at 8 p.m. Friday, April 28, in the Paul Robeson Cultural Center.

The griots, members of the West African caste responsible for keeping the oral tradition and making music, are led by Batorou Sekou Kouyate, one of Africa's best-known kora players. The kora is a 21-stringed, harp-like instrument.

Mr. Kouyate will be accompanied by two female vocalists, Dianton Toukara and Nantengwe Kamissoka. The group, which has visited West Africa and Europe, currently is on an American tour.

Charles Bird, of Indiana University, a specialist in Mandinka language and culture, will narrate and interpret the program. A discussion on West African music, history and genealogy will be held following the performance.

Americans are most familiar with the role of the griot as a genealogist. It was a griot from Gambia who told Alex Haley about his African heritage for his book *Roots*.

The "Evening of Mandinka Song and Poetry" is sponsored by the Black Studies Program, the Robeson Center, Liberal Arts International Programs Committee, Institute for the Arts and Humanistic Studies, University Committee on International Programs, and the College of Arts and Architecture.

Research Initiation Grants awarded to 24 faculty

Twenty-four faculty members have been awarded one-year Research Initiation Grants ranging from \$2,000 to \$5,500 from a fund approved by President Oswald for the encouragement and support of research and other creative work.

The 1978 Research Initiation Grants program was open to new faculty members at all Campus locations with service accumulation of two calendar years or less by September 1978. The program is organized to support lines of research by new faculty that may lead to external sponsorship, according to Dr. Richard G. Cunningham, vice president for research and graduate studies.

Sixty-five proposals were received and screened by a committee of Irwin Felton (chairman), Eugene Lindstrom, Arnulf Muan, Roland Pellegrin and F. J. Remick (ex officio).

Faculty members awarded grants and their research projects are:

William R. Beltz, assistant professor of surgery at Hershey, The role of tumor cell-endothelial cell interactions in the development of experimental metastasis; **Frederick M. Brown**, assistant professor of psychology at Worthington Scranton, Menstrual-cycle effects upon behavior; **Joe Peter Buhler**, assistant professor of mathematics, Research problems from algebraic number theory.

Clifford C. Clogg, assistant professor of



Flory to give Whitmore talks

Dr. Paul Flory, 1974 Nobel Laureate in chemistry, will present the third annual series of Frank C. Whitmore Lectures at the University April 24-27.

The four lectures, sponsored by the Department of Chemistry, are titled "Spatial Configuration on Macromolecules," "Configuration Statistics of Chain Molecules," "Stereochemical Structure and Conformational Analysis of Vinyl Polymers," and "Rigid Chains: Theory of Nematic Phase Equilibria." Each of the lectures will be held in Room 333 Whitmore Laboratory at 12:45 p.m., except the fourth which will be at 9:35 a.m. They are all open to the public.

Dr. Flory, who is J. G. Jackson-C. J. Wood professor emeritus of chemistry at Stanford University, received the Nobel Prize for his pioneering work in establishing the foundations for the modern physical chemistry of polymers.

According to one of his colleagues, Dr. Flory's more than 40 years of exacting intellectual efforts have provided the basic conceptual framework for most of polymer science. The major areas of Dr. Flory's work include polymerization mechanisms and polymer structure, physical and mechanical properties of polymers in bulk, solution properties of polymers, and conformations of polymer chains.

Besides the Nobel Prize, Dr. Flory has been honored with the National Medal of Science and six awards from the American Chemical Society.

Applications of latent structure methods; **Milton W. Cole**, associate professor of physics, Electrons and atoms at surfaces; **Robert C. Creese**, assistant professor of industrial engineering, Riser system design by geometric programming; **James W. Hatch**, assistant professor of anthropology, Measuring nutritional stress of a prehistoric American population.

Mary Jane Irwin, assistant professor of computer science, Algorithms for on-line arithmetic; **Gregory A. Kelly**, assistant professor of surgery at Hershey, The role of pancreatic secretions in radiation bowel injury; **Jeffrey S. Lannin**, assistant professor of physics, Bonding in liquid semiconductors: a laser raman study; **Antonio C. Lasaga**, assistant professor of geochemistry, Treatment of multi-component diffusion and ion pairs in diagenetic fluxes.

Thomas F. Massaro, assistant professor of nutrition, The effect of voluntary activity on food intake and body weight regulation; **Julian D. Maynard**, assistant professor of physics, New thermodynamic measurements in superfluid helium; **Yash Mehra**, assistant professor of economics, A time-series test of labor-market interdependence.

Philip J. Morris, assistant professor of aerospace engineering, The stability of heated axisymmetric boundary layers;

WPSX Highlights

Sunday, April 23, at 3 p.m., Channel 3 will broadcast the fifth annual Oscar Micheaux awards ceremony of the Black

Filmmakers Hall of Fame, held earlier this year in California. The 90-minute program pays tribute to the late actress-singer Nina Mae McKinney, Count Basie, actress-pianist Hazel Scott, composer Bennett L. Carter, Ella Fitzgerald, and the late actor-dancer Bill ("Bojangles") Robinson.

The role of a community hospital is explored Monday, April 24, at 9 p.m. on the next Small Town, PA documentary. The program was filmed at the Lewistown Hospital in 1973.

In a repeat broadcast, Tuesday, April 25, at 8 p.m., "Search for the Great Ages," a National Geographic Special, travels to the mountains of Central Africa and a rain forest in Indonesian Borneo to study the mountain gorilla and the orangutan.

The town of Hyde Park, N.Y. — home of President Franklin D. Roosevelt, as well as the Vanderbilts and Livingstons — is also the site of some of the ugliest strip zoning in the United States. An hour-long documentary, *Hyde Park*, visits residents of the old community and explores their concerns over land use in the region. *Hyde Park* can be seen Tuesday, April 25, at 9 p.m.

Sunspots — huge blemishes bigger than the earth — come and go on the sun on an 11-year cycle. Much scientific research has been done to relate the sunspot cycle to cycles of weather and climate on the earth, and recent findings suggest that when the sunspots disappear — as they are doing now — the earth goes through a cooling period. This controversial theory is the subject of the Nova documentary, *The Sunspot Mystery*, Wednesday, April 26, at 8 p.m.

East-west morals and mores are central to the theme of Tom Stoppard's new drama, *Professional Foul*, to be presented Wednesday, April 26, at 9 p.m. on Great Performances. The tragedy-comedy is set in Czechoslovakia.

The labor reform act of 1978 is debated on *The Advocates* Thursday, April 27, at 9 p.m. Advocates will present witnesses representing both sides of the question: "Should Congress provide more protection for union organizing?"

Research Initiation Grants awarded to 24 faculty

Paul C. Painter, assistant professor of polymer science, The characterization of polypeptides as novel polymeric materials; **Diane Pepe**, assistant professor of art, Research in new methods of pulping, sheet formation and lamination procedures in hand papermaking.

Reynaldo S. Resurreccion, assistant professor of veterinary science, The effect of aflatoxin on the replication, pathogenesis and virulence of viral pathogens in the chicken; **C. Peter Romaine**, assistant professor of plant pathology, On the possible involvement of a host RNA-dependent RNA polymerase in potato spindle tuber viroid replication; **Robert A. Schlegel**, assistant professor of microbiology and cell biology, Control of proliferation in human diploid fibroblasts.

Rudy L. Slingerland, assistant professor of geology, Eolian transport mechanics of sand-sized light and heavy minerals; **David A. Stern**, assistant professor of theatre arts, Accents and dialects for the stage: the development of teaching techniques through acoustic analysis; **Frederick F. Weiner**, assistant professor of speech pathology, Phonological pattern of children with unintelligible speech; **R. Dale Wilson**, assistant professor of marketing, Consumer response to comparative-type advertising messages.

University Park Calendar

April 20 — 30

Special Events

Thursday, April 20

Deadline for Reserve Reading Lists for summer term to be submitted to Reserve Reading Room, Room W-11, Pattee Library.
5 O'clock Playwright's Theatre, Nancy Patton, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.

Naiads Synchronized Swim Show, 8 p.m., Natatorium. Tickets at door.

Friday, April 21

Black Arts Festival, Symposia, 11 a.m., Hetzel Union Bldg. Elizabeth Clark Lewis, research assistant to Alex Haley, on "Black Genealogy and Finding One's Roots"; John Lewis, director, VISTA, on "State of Black Politics"; L.T. Edwards, U.S. Commission on Civil Rights, on "Civil Rights and Ramifications of the Bakke Case"; African Liberation Day Rally, 3 p.m., HUB lawn, speaker, Jeff Dumo Bagwa, Southern African Student Movement.

5 O'clock Playwright's Theatre, *Good Night and Good News*, 5:30 p.m., Pavilion Theatre.

Sports: men's volleyball, ECVL Championships, 7 p.m., Rec. Bldg.

Naiads Synchronized Swim Show, 8 p.m., Natatorium. Tickets at door.

PS Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 22

Eco-Action Recycling, 10 a.m.-3 p.m., Parking Lot 83 (behind flower gardens) and Boalsburg Fire Hall.

Black Arts Festival. Cultural exhibitions and displays, noon-4 p.m.; talent and fashion show, 7 p.m., Robeson Cultural Center.

Phi Psi 500, noon.

Sports: men's golf, vs. Alumni, 1 p.m., Blue Course; women's lacrosse, vs. West Chester, 2 p.m., IM Field; men's lacrosse, vs. Rutgers, 2 p.m., Jeffery Field; men's volleyball, ECVL Championships, 7 p.m., Rec. Bldg.

Naiads Synchronized Swim Show, 8 p.m., Natatorium. Tickets at door.

Sunday, April 23

Free U Day, HUB lawn.

University Chapel service. Dr. George Jones, Office of Religious Programs, Ball State University, 11 a.m., Eisenhower Chapel.

PS Sports Car Club Autocross, 11 a.m.-4 p.m., Parking Lot 80.

Shaver's Creek Nature Center, Streams and Valleys, 2-4 p.m., Stone Valley.

Black Arts Festival. Elizabeth Graves Drama Associates, *The Raptnar*, 3 p.m., Robeson Cultural Center.

Concert Blue Band, featuring the Jazz Blue Band, 3 p.m., Eisenhower Auditorium.

Sports: Baseball, vs. Rider (2), 3 p.m., Beaver Field.

Debra Sullivan, soprano, 3:30 p.m., Music Bldg. recital hall.

france-cinema, *Malle, Elevator to the Gallows*, 7 and 9 p.m., Room 112 Kern.

Monday, April 24

Last date for May graduates to deliver theses to Graduate School Office.

Last date for Departments to certify to Graduate School completion of required papers for May graduates.

STS/Two Cultures Dialogue, "Society's Perceptions of the Energy Problem," Robert G. McCarthy, Columbia Gas Company, will speak, noon, State College Hotel.

Whitmore Lecture: Paul Flory, Nobel Laureate, on "Spatial Configuration on Macromolecules," 12:45 p.m., Room 333 Whitmore Lab.

Shakespeare film, *Hamlet* (Oliver), 6:30 p.m., Room 101 Chambers.

Cinematech, *Dmytryk, Murder, My Sweet* (1944), 7 and 9 p.m., HUB assembly hall.

College of Human Development World Hunger Lecture. Daniel E. Shaughnessy, Office of Food for Peace, AID, will speak, 7 p.m., Room 5-209 Henderson.

france-cinema, *Malle, Elevator to the Gallows*, 7 and 9 p.m., Room 112 Kern.

Colloquy, "Sports in America," Wilma Rudolph, Olympic champion and polo victim, on "My Olympic Experiences," 8 p.m., Eisenhower Auditorium.

Rico Jacobus, flute, 8:30 p.m., Music Bldg. recital hall.



A special Jazz Blue Band will perform with the Concert Blue Band at 3 p.m. Sunday, April 23 in Eisenhower Auditorium. Jazz musicians Jeff Baker, Ed Ober and John Gallace tune up as director Larry Fisher listens.

Tuesday, April 25

College of Education Public Lectures. Donald R. Warren, American Educational Studies Association Task Force on Academic Standards, on "Directions of Academic Standards on Accreditation in Educational Studies," 10 a.m.; Dave Warren, ethnohistorian of colonial Latin America and Bureau of Indian Affairs, Santa Fe, on "New Aspects of Cultural Pluralism," 2 p.m., Keller.

Whitmore Lecture: Paul Flory, Nobel Laureate, on "Configuration Statistics of Chain Molecules," 12:45 p.m., Room 333 Whitmore Lab.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Archy Allen, classics, on "Ezra Pound and a Lot of Talk."

Comp. Lit. film, *Ulysses* (James Joyce), 7 and 9:30 p.m., Room 112 Kern.

EVMS Student Council Lecture. Dr. Eric Walker, president emeritus, on "Invention, Innovation and Entrepreneurship," 7:30 p.m., Room 112 Walker.

Black Arts Festival. Harlem Repertory Theatre, "Comments on For Colored Girls Who Have Considered Suicide When the Rainbow Is Unf," 8 p.m., Eisenhower Auditorium.

English colloquium, John Bellamy, Carleton University, Ottawa, on "The Medieval Literature of Crime," 8 p.m., Room 101 Kern.

Wednesday, April 26

Whitmore Lecture: Paul Flory, Nobel Laureate, on "Stereochemical Structure and Conformational Analysis of Vinyl Polymers," 12:45 p.m., Room 333 Whitmore Lab.

Commonplace Lecture, *Blue Water, White Death*, 7:30 and 9:30 p.m., Room 112 Kern.

Artists Series, Barry Snyder, piano, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 27

Free U. Gentle Thursday, HUB lawn, 10 a.m.-10 p.m.

Whitmore Lecture: Paul Flory, Nobel Laureate, on "Rigid Chains. Theory of Nematic Phase Equilibrium," 9:35 a.m., Room 333 Whitmore Lab.

Mechanical Engineering Distinguished Lecturer Ted B. Belytschko, Northwestern University, on "Biodynamic Modeling: The Human Spine," 11 a.m., Room 103 Mech. Eng. Bldg.

Sports: softball, vs. Lock Haven, 2 p.m., Lady Lions Softball Field; men's tennis, vs. East Stroudsburg, 2:30 p.m., Nittany Courts.

History colloquium, Gerald G. Egger, history, on "Historians, Liars, and Damned Statistics," 2:30 p.m., Room 101 Kern.

Phi Kappa Phi annual banquet and initiation, 5:30 p.m., HUB ballroom.

Shakespeare film, *Hamlet* (Williamson/Richardson), 6:30 p.m., Room 101 Chambers.

Interaction — Art and Science Lecture. William Woody, Yale University, on "Eschatology of Art: Words, Vision and Music," 7:30 p.m., Room 112 Kern.

Friday, April 28

Sports: men's tennis, vs. Columbia, 2:30 p.m., Nittany Courts.

Spring Week Carnival, 6 p.m.-midnight, IM Field.

france-cinema, *The Return of the Tall Blond Man*, 7 and 9 p.m., Room 112 Kern.

African Grots from Mali will play the 21-string kora and sing. Interpretation by Charles Byrd, researcher in oral traditions, 7:30 p.m., Robeson Cultural Center.

PSU Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 29

Local International Livestock Show, 8 a.m.-4 p.m., Ice Pavilion.

Spring Week Carnival, noon-midnight, IM Field. Free concert, 1:30-5:30 p.m., featuring Johnny's Dance Band.

Sports: men's golf, Nittany Lion Invitational, Blue Course; women's lacrosse, vs. Rutgers, 2 p.m., IM Field; baseball, vs. St. Johns (2), 1 p.m., Beaver Field.

france-cinema, *The Return of the Tall Blond Man*, 7 and 9 p.m., Room 112 Kern.

Commons play, *And Miss Reardon Drinks a Little*, 8 p.m., Room 102 Kern. Ticket includes make-your-own sundae bar and beverage.

Give 'em Hell, Harry, with Kevin McCarthy, scholarship benefit, 8 p.m., Eisenhower Auditorium.

Faculty Club Big Spring Party, dancing, bridge, poker, floor show, 8:30 p.m., Faculty Club.

Penn State Singers, 8:30 p.m., Music Bldg. recital hall.

Sunday, April 30

Beta Sigma Beta/Sy Barash Regatta, 11 a.m.-6 p.m., Stone Valley. Rain date, May 7.

University Chapel service. Dr. Samuel DeWitt Proctor, Rutgers University and pastor, Abyssinian Baptist Church, New York, 11 a.m., Frizzell Room, Eisenhower Chapel.

Sports: men's golf, Nittany Lion Invitational, Shaver's Creek Nature Center, Spring Wildflower Walk, 2-4 p.m.; Bees, 3-4:30 p.m., Stone Valley.

Lois Oakes, violin, 3:30 p.m., Music Bldg. recital hall.

Commons play, *And Miss Reardon Drinks a Little*, 8 p.m., Room 102 Kern. Ticket includes make-your-own sundae bar and beverage.

Seminars

Thursday, April 20

Computer Center, "Fortran-PL/I Conversion," (2 of 2), 7:30 p.m., Room 105 Osmond.

Monday, April 24

Biochemistry and Biophysics, M. Nomura, University of Wisconsin, on "Organization and Expression of Ribosomal Genes in *E. coli*," 3:55 p.m., Room 101 Althouse.

Fuel Science, Thomas Eapen on "Mechanism of Gasification in a Fixed Bed," 4 p.m., Room 301 Steidle (Mineral Industries).

Microbiology and Cell Biology, E. Peter Greenberg, Harvard University, on "Biology of the Facultatively Anaerobic Spirochaetes with Emphasis on their Motility and Behavior," 4 p.m., Room N261 Frear.

Computer Center, "Job Control Language," (3 of 6), 7:30 p.m., Room 105 Osmond.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Tuesday, April 25

Food Science, D. Jurd on "The Effect of CO₂ on Stability of Mechanically Deboned Meat," 11:10 a.m., Room 201 Borland.

Analytical Chemistry, Alan Freyer on "Chemical Evolution," 1 p.m., Room 339 Davey.

Research Applications of Computers, L.A. Beady, IBM T.J. Watson Research Ctr., Yorktown Heights, N.Y., on "The Evolution of Large Programs and the Complexity of Modifications," 1 p.m., Room 111 Bouice.

Solid Waste Management, Benjamin Whistler, emeritus professor of civil engineering, on "Changing Perspectives for Handling Hazardous Materials," 2:20 p.m., Room 129 Sackett.

Chemical Engineering, Paul Ream, Bethlehem Steel Co., on "The Steel Industry and Ecology," 3:45 p.m., Room 140 Fenske.

Physics, Louis Rosen, LAMPF, Los Alamos, on "Some Novel Uses of Meson Factories," 3:50 p.m., Room 333 Whitmore.

Genetics, Jeffrey Stern on "Mitochondrial Gene Products," 3:55 p.m., Room 52 Frear.

Plant Pathology, Larry Madden on "From 'Rubio' to Pest Management: The History of Plant Disease Control," 3:55 p.m., Room 213 Backout.

Astronomy, Sabatino Sofia, NASA Goddard Space Flight Ctr., on "X-ray Sources in Clusters of Galaxies and Cosmology," 4 p.m., Room 445 Davey.

Engineering Science and Mechanics, P.H. Kurtz, Applied Research Laboratory, on "Probabilistic Modeling of Fatigue," 4 p.m., Room 113 Sackett.

economics, John E. Tilton, Mining Debate over the Exhaustion of Mineral Resources," 4 p.m., Room 112 Walker.

Computer Center, "Introduction to APL," (1 of 6), 7:30 p.m., Room 201 Bus. Adm.

Wednesday, April 26

Computer Center, "Job Control Language," (4 of 6), 7:30 p.m., Room 105 Osmond.

Thursday, April 27

Ceramic Science, Robert Davis, North Carolina State Univ., on "Carbon Diffusion in a SiC," 11 a.m., Room 301 Steidle (Mineral Industries).

Chemistry, W. Carl Linneberger, University of Colorado, on "Laser Spectroscopy of Negative Ions and Small Free Radicals," 12:45 p.m., Room 333 Whitmore.

Agronomy, James Griffin on "Potential Use of Brassica sp. (turnips, kale, etc.) as a Forage in the Northeast," 3:55 p.m., Room 111 Tyson.

Meteorology, Dennis G. Deaven and Robert E. Livezey, National Meteorological Center, on "Boundary and Initialization Problems in Limited Area Modeling," 3:55 p.m., Room 112 Walker.

Rail Transport, Michael R. Bonavia, British Railways Board, on "Railway Nationalization — the British Experience," 3:55 p.m., Room 62 Willard.

Geography, Dr. Jay Hayes, special assistant to Secretary of the Interior, on "Governmental and Academic Approaches to Development Assistance," 4 p.m., Room 319 Walker.

Microbiology and Cell Biology, Ronald D. Porter, Radiobiology Laboratories, Yale University School of Medicine, on "A Dual Role for Exonuclease V in Recombination during Transduction in *E. coli*," 4 p.m., Room 52 Frear.

Computer Center, "Introduction to APL," (2 of 6), 7:30 p.m., Room 201 Bus. Adm.

Chambers Gallery: Art Education undergraduate student exhibition, opens April 29.

Kern Commons Gallery: Ed Leos, photographs, "Five Prologues and an Introduction," David Sineberg, jewelry, Sylvia Belgers, quilting, "Softstuff," Erma Martin, wall paintings, "Canyon Walls," all through April 29. Bob Botti, wall ceramics, opens April 29.

Museum of Art: American Art from the Permanent Collection, through April 30. Goussins and drawings, Robert Kulicke, painter, designer, craftsman.

Pattee, East Corridor Gallery: Kent Armstrong, photographs, "Nature of Art," through April 26.

Zoller Gallery: Invisions and Christenberry exhibit, through April 27. Richard Rydell, prints, and Bruce West, photographs, opens April 29.

Exhibits

Penn State Intercom

Search committee named to seek Norris replacement

A search committee for the replacement of Chalmers G. Norris, director of planning and budget officer of the University, has been appointed by President John W. Oswald.

Named co-chairmen of the committee are Dr. Stanley O. Ikenberry, senior vice president for administration, and Robert A. Patterson, senior vice president for finance and operations. Other committee members are:

Dr. John Cahir, associate professor of meteorology and chairman of the University Faculty Senate Committee on Planning and Development; Dr. James B. Bartoo, dean of the Graduate School; and Dr. Richard L. Morril, executive assistant to the Provost.

The Director of Planning and Budget Officer is Penn State's principal officer of all University planning and budgeting. As head of the Office of Budget and Planning, the director is responsible for the development of operating and capital budgets; institutional research, and the coordination of academic, budgetary and capital program planning.

Mr. Norris will leave his post at Penn State on May 1 to assume responsibilities as executive director of the Council for Postsecondary Education in the state of Washington.

During the period of the search, Steven A. Garban, University controller, will assume responsibilities as the interim director of the Office of Budget and Planning.

Effective May 1, P. Richard Althouse will assume responsibilities as director of the Budget Division, one of three divisions under the Office of Budget and Planning. Mr. Althouse will be responsible for planning, developing and controlling the University's budget. The Institutional Research Division and the Planning Services Division, the two other divisions under the Office of Budget and Planning,

(Continued on page 6)

Mann, McMurty nominated for Senate chairman

The University Faculty Senate will consider a wide variety of reports and resolutions at a special session at 7:30 p.m. Monday, May 1 in the Keller Bldg. auditorium, and at a second session at 1:10 p.m. Tuesday, May 2 in Room 112 Kern Bldg.

The Nominating Committee for 1978-79 Senate officers will present the following nominations and will accept nominations from the floor: for chairman-elect, Dr. Stuart H. Mann, associate professor of operations research, and Dr. George J. McMurty, professor of electrical engineering; for secretary, Dr. George W. Franz, assistant professor of history at the Delaware County Campus; Dr. Thomas J. Knight, associate dean for the Commonwealth Campuses and Continuing Education in Liberal Arts; and Dr. Herbert M. Lundegren, professor of health and physical education.

Nominated for one position on the Faculty Advisory Committee are Dr. Paul Axt, professor of mathematics; Gordon Bowker, associate professor of engineering at the Mont Alto Campus; Dr. John H. Cahir, associate professor of meteorology; Dr. Thomas D. Larson, professor of civil engineering and director of the Pennsylvania Transportation Institute; Dr. Roger B. Saylor, professor of economics and statistics at the Capitol Campus; and Dr. John D. Sink, professor of meat science.

Items on the agenda for the evening session include a proposed rule change affecting extended degree students. The Senate Committee on Extended Degrees proposes that extended degree students not be required to apply for readmission if

they interrupt enrollment in credit courses for a term or longer. Presently, any student "who has interrupted continuous enrollment in credit courses for at least one term," except for the summer term, must seek readmission.

In other action, the Senate Committee on Admissions, Records, and Scheduling will recommend that Section 4 of Senate Policy 34-58 be deleted. The section states that students with physical handicaps are barred from enrolling in courses for which they cannot perform the physical requirements. The committee will point out that its action is in line with Section 504 of the federal Rehabilitation Act of 1973, forbidding discrimination on the basis of a physical handicap.

The Ad Hoc Committee of Engineering Senators will propose an amendment on the use of the course-drop from the fourth through the eighth week of classes. At the April meeting, the ad hoc committee presented a door handout proposing that use of the course drop during those weeks be limited to a maximum of 12 credits for baccalaureate degree candidates and six credits for associate degree candidates. That proposal will be discussed, and in addition, the committee will add an amendment recommending that the policy be extended to include provisional students who intend to become baccalaureate or associate degree candidates.

A proposed change in promotion and tenure procedures will be put forth by the Senate Committee on Faculty Affairs. The committee is attempting to create a more specific mechanism to ensure that when the findings of tenure and promotion

review bodies differ, consultation take place among and within the review bodies.

An informational report on student evaluation of instruction will be presented by the Subcommittee on Student Evaluations. The report will suggest that student evaluations be held after the first two weeks of instruction and again after seven or eight weeks to find out if students believe course objectives are being met. Other suggestions include having the instructor present a written list of course objectives during the first week of the course and looking into the possibility of a "fairly uniform University-wide evaluation form."

The subcommittee will report that as far as can be determined, student evaluation of instruction is being carried out in all Colleges of the University; many students try to answer questions honestly; evaluations after a lapse of at least two years are probably more valuable than those performed during the course; and students want input on the evaluation process.

An informational report on the activities of the Academic and Athletic Standards Committee will be heard.

The Senate Committee on Admissions, Records and Scheduling will deliver a report on the first installment of a regular reporting system for monitoring the academic consequences of University admissions policies and procedures. Detailed academic profiles on students at all Penn State Campuses and in all academic units will be presented.

(Continued on page 5)

News in Brief

Heat to go off in early May

The Executive Energy Conservation Committee advises that heat in buildings used for academic and administrative purposes will be turned off approximately May 4. Heat in the residence halls and the Ritenour Health Center will be turned off approximately May 24.

Air conditioning will be turned on in the research areas May 17, depending on the need in each particular area. J. Carroll Dean, manager of energy conservation programs, should be contacted if that date causes a problem in a specific research area. Air conditioners in academic and administrative buildings will be turned on June 12.

R. E. Zilly, chairman of the committee, says that some minor problems may occur with systems that have been off for the winter. Problems should be reported to the Maintenance and Operations service desk. The phone number is 865-4731.

Hershey opens new anesthesia division

A Division of Anesthesia and Metabolic Research has been established in the Department of Anesthesia at Hershey.

Named to head the division is Dr. Richard A. Hawkins, professor of anesthesia and physiology. Dr. James J. Richter, assistant professor of anesthesia,

has also been appointed to the division.

The division will be involved in goal oriented basic research, according to Dr. Hawkins, with particular interest in neurochemistry and neurophysiology, lung and liver physiology and biochemistry.

Dr. Hawkins holds a B.S. degree from San Diego State University and a Ph.D. degree in physiology from Harvard University. He came to the Medical Center from New York University Medical Center, where he was associate professor of neurosurgery and physiology.

Dr. Richter holds an A.B. from Franklin and Marshall College, M.S. and Ph.D. degrees from Bowman Gray School of Medicine of Wake Forest University, and an M.D. from the University of Connecticut School of Medicine. He came to Hershey from the University of Wisconsin, where he was an assistant professor of anesthesiology.

Air Atlantic Airlines announces new commuter

Air Atlantic Airlines, Inc., a new commuter service in the Centre Region providing transportation between State College and Philadelphia, will soon begin operations.

As the only daily commuter service between State College and Philadelphia, Air Atlantic will provide round-trip transportation twice daily — Monday through Friday — between the two cities.

Leaving University Park Airport at 7 a.m. and 4 p.m., and leaving Philadelphia at 9 a.m. and 6 p.m., passengers will be in flight for one hour and 15 minutes.

The craft utilized by Air Atlantic is the Piper twin-engine Navajo Chieftain, a cabin class aircraft capable of transporting the two Air Atlantic pilots and eight passengers.

PSU helps Lock Haven set up ROTC program

The University and Lock Haven State College have made a formal agreement to establish an Army Reserve Officer Training Corps program at Lock Haven.

The document was signed by Col. Robert Rose, professor of military science at the University; Dr. Francis N. Hamblin, president of Lock Haven State; and Dr. Robert E. Dunham, vice president for undergraduate studies.

Instructors from the University travel to Lock Haven twice a week to teach military science courses to the 11 LHSC students already enrolled in the program. Non-military courses, such as map reading, will be taught by Lock Haven faculty members.

By affiliating with the existing ROTC program at the University, Lock Haven was able to establish its program much sooner than is customary. The College will be able to commission its first officers by May 1980.

(Continued on page 5)



Sunshine is where you find it.

Penn Staters

Dr. Robert M. Stern, professor of psychology, has been named head of the Department of Psychology. Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, announced this week. Dr. Stern has served as acting head of the department since last September.

A graduate of Franklin and Marshall College, Dr. Stern received the M.S. degree in psychology from Tufts University and the Ph.D. from Indiana University, Bloomington, Ind. He came to Penn State as an assistant professor in 1965.

Author of numerous research papers and articles in the area of psychophysiology, he also is co-author with Dr. William J. Ray, assistant professor of psychology at Penn State, of a book, *Biofeedback*, published last year.

Two members of the University's faculty have been awarded Fulbright-Hays grants for the coming academic year. They are **Dr. Martin R. Quinn**, assistant professor of English at Beaver Campus, and **Dr. William A. Steele**, professor of chemistry.

Dr. Quinn will be lecturing on 19th and 20th century American and British literature at Tehran University in Iran from September 1978 to June 1979. A member of the faculty since 1975, Dr. Quinn holds A.B. and M.A. degrees from the University of Maryland and a Ph.D. from Penn State. He served as a visiting lecturer at Jundi Shapur University in Ahwaz, Iran in 1974-75.

Dr. Steele will lecture on the dynamics of liquids at the University of Vienna, Austria, from February to June 1979. A member of the faculty since 1955, Dr. Steele received a Guggenheim Fellowship in 1976 and served as Unilever Visiting Professor at the University of Bristol, England. He was a visiting lecturer at UCLA during winter term this year. He is a graduate of Wesleyan University with a Ph.D. from the University of Washington, Seattle.

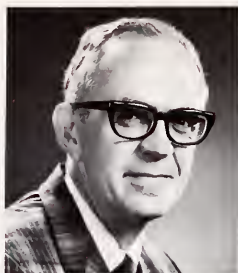
Dr. Philip H. Baldi, associate professor of linguistics and classics at the University, has been presented the University's Class of 1933 Award for Distinction in the Humanities for 1978. The award is presented annually by the Class of 1933 to an outstanding Penn State faculty member.

Citing Dr. Baldi's ability to communicate with students and his enthusiasm for teaching, Liberal Arts Dean Stanley F. Paulson said that on student evaluation forms, Dr. Baldi's students frequently answer the question, "What did you like best about this course?" with the response, "The teacher."

Dr. Baldi came to Penn State in 1973, after having served as an instructor in English and linguistics at SUNY-Brockport. He has a B.A. in classics from the University of Scranton, and M.A. and Ph.D. in linguistics from the University of Rochester.

At Penn State, he has been active in the development of courses in comparative Greek and Latin grammar, the history of Latin, Sanskrit, and language in its social context. He is a co-editor, with Dr. William R. Schmalstieg, professor and head of Slavic languages, of the journal, *General Linguistics*.

Dr. Gordon F. De Jong, professor of sociology and assistant director, Population Issues Research Center, was selected to receive the Distinguished Alumnus Award by the Department of Sociology at the University of Kentucky. As part of last week's award program, Dr. De Jong presented a public lecture on his research concerning residential preferences and population redistribution and a seminar on population redistribution policies in The Netherlands and Great Britain.



Dr. Barnes W. McCormick, professor and head of the Department of Aerospace Engineering, is marking his 25th year of service at the University.

Since returning to the Penn State faculty in 1957, Dr. McCormick has taught a variety of subjects, including aerospace engineering design, principles of flight testing, aerodynamics of VISTOL aircraft, stability and control of aircraft and missiles, theory of flight, performance of aerospace vehicles, and aerolasticity. He originated a senior thesis course and has also provided undergraduates with the opportunity to design and construct a two-seat light airplane. His presentations are enriched by his background as an instrument-rated, private pilot, and as a certified ground school instructor.

Dr. McCormick, who received three degrees from Penn State, is author of a book, *Aerodynamics of VISTOL Flight*, and more than 40 technical papers. His areas of particular interest and experience include low-speed aerodynamics, aerodynamics of vertical flight, propeller design (including marine propellers), hydrodynamics, aerodynamic noise, and the behavior of vortex systems including their interaction with aircraft and lifting surfaces generally.

A member and past president of the National Association for Aerospace Engineering Department Heads, Dr. McCormick is also a member of the American Helicopter Society, having served as that Society's technical director and as editor of the *Journal of the American Helicopter Society*.

In 1976 Dr. McCormick received the ASEE Aerospace Division AIAA Education Achievement Award for his innovative contributions to aerospace engineering education.

Dr. Raymond E. Untrauer, professor and head of the Department of Civil Engineering, has been named a Fellow of the American Concrete Institute (ACI). ACI presently has 15,000 members and 302 Fellows. Dr. Untrauer was elected "for outstanding contributions to the production or use of concrete materials, products, and structures in education, research, development, design, construction, or management."

Clifford A. Mason, associate professor of engineering at Capitol Campus, has been awarded a NASA Summer Faculty Fellowship for 1978. The fellowship provides the opportunity to participate in research and development activities at the Johnson Space Center in Houston. Prof. Mason will be studying the development of systems and instrumentation for obtaining biomedical data during manned space flights.

David B. Van Dommelen, professor of art education, recently won the Burroughs Wellcome, Inc. purchase prize for his stitchery wall hanging in the Needlework III Invitational in Raleigh, N.C. The piece was titled "Mordant" and was a combination stitchery, collage framed construction. Mr. Van Dommelen acted as the judge for the non-invitational portion of the exhibition, which included 500 pieces of all varieties of creative work in needlework. He also presented several lectures and short workshops.



After 29 years of service to the University, **Allen R. Gray**, professor of physical education, retired April 1.

A native of Downton, Pa., Prof. Gray initially attended Penn State as a graduate assistant in health and physical education in 1948. A year later he was made an instructor in the swimming program and in 1951 was placed in charge of that program.

He became an assistant professor in 1957 and five years later was promoted to full professor in the College of Health, Physical Education and Recreation, where he taught methods and tests and measurements.

Prior to coming to the University, Prof. Gray taught mathematics and physical education at East Berlin High School, where he also coached the soccer, basketball and baseball teams. After a three-year stint in the army during WWII, he returned to high school teaching, this time at Shippensburg.

Mr. Gray holds a B.A. from West Chester State College and an M.Ed. in health and physical education from Penn State. His three children, Rosemary, 29; Susan, 27; and William, 23, all earned their degrees at Penn State.

Dr. Henry J. Hermanowicz, dean of the College of Education, has been appointed to the Board of Directors of the recently created Pennsylvania Council on Economic Education. His appointment was jointly made by the Pennsylvania Secretary of Education, the President of the Pennsylvania AFL-CIO, and the President of the Pennsylvania Chamber of Commerce.

Dr. Bonnie Johnson, assistant professor of speech communication, presented an invited lecture at the University of Minnesota on April 20. Her topic was "The Executive Communicator," and she presented some findings of her current research on how executives establish a network of informal relationships for securing and interpreting information.

Harry R. Allcock, professor of chemistry, recently presented invited colloquia at The University of Alberta at Edmonton, The University of Calgary, and The University of Vermont. He discussed the research on inorganic macromolecules being carried out in his group.

Dr. Kenneth R. Beittel, professor of art education, is exhibiting 50 recent stoneware and porcelain pots at the Sloan Gallery of Lock Haven State College during April. Dr. Beittel also gave an illustrated lecture emphasizing his methods of making and decorating clay pieces of large scale. The gallery has purchased one of his pieces for their permanent collection.

Dr. Gerard J. Brault, professor of French, was the keynote speaker at a colloquium on the French Canadians of New England held at Bates College in Lewiston, Me., April 8-9. Prof. Brault spoke in French on the provincial origins of the French colonists in Canada in the 17th and 18th centuries. On April 10, Prof. Brault was the invited speaker at a senior seminar on Franco-American history being given this semester at Bowdoin College in Brunswick, Me.

Appointments

Arun Kilara as assistant professor of food science at University Park. B.Sc., Dairy Science College, NDRI, Karnal, India; M.Sc., U. of Saskatchewan; Ph.D., U. of Nebraska. Formerly research associate at Nebraska.

Robert R. Warren as assistant professor of engineering at New Kensington. B.S., M.S., U. of Pittsburgh. Formerly associate engineer, D. M. Neill and Associates.

John L. Foley as instructor in food science at University Park. B.S., Iowa State U.; M.S., U. of Massachusetts. Formerly a manager with Sealtest Foods, Land O' Lakes, Inc., and Friendly Ice Cream Corp.

Bookshelf

Dr. Jon P. Nelson, associate professor of economics, has written a book summarizing his own research and the work of other specialists in the field of economic analysis of noise pollution abatement strategies.

Entitled *Economic Analysis of Transportation Noise Abatement*, it is the first comprehensive economic study of U.S. noise pollution problems. The book, which deals with noise from air and highway traffic, was published this month by Ballinger Publishing Company, a subsidiary of J. B. Lippincott.

Dr. Nelson concludes that, using property values and other economic data, it is possible to assign a dollar value to the benefits derived from proposed noise controls in specific cases. Furthermore, he writes, decibel taxes, levied against companies whose trucks or planes exceed specified levels, might be more effective than government regulations and fixed standards in limiting noise pollution problems. Several European countries are currently experimenting with such taxes.

Obituary

Nicholas M. Brentin, associate professor of Romance languages and a member of the faculty since 1944, died April 17. Born Dec. 14, 1913 in Bessemer, Pa., Prof. Brentin graduated from Youngstown University and received a master's degree at Penn State in 1943. He was named an instructor the following year, was promoted to assistant professor in 1954 and associate professor in 1957. Prof. Brentin administered the John W. White scholarship competition and was coordinator of Commonwealth Campus faculty in the Department of Spanish, Italian and Portuguese. His research interests included Spanish poetry, Cervantes and Spanish American literature.

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University Park Calendar

April 27-May 7

Special Events

Thursday, April 27

Free U. Gentle Thursday, HUB lawn, 10 a.m.-10 p.m.
Phi Kappa Phi annual banquet and initiation, 5:30 p.m., HUB ballroom.

Shakespeare film, *Hamlet* (Williamson/Richardson), 6:30 p.m., Room 101 Chambers.

Interaction—Art and Science Lecture. William Woody, Yale University, on "Eschatology of Nineteenth Courts," 7:30 p.m., Room 112 Kern.

Japanese Language and Literature, H. Tanaka, An Evening of Japanese Films, 7:30 p.m., HUB assembly hall.

Penn State Thespians, *A Funny Thing Happened on the Way to the Forum*, 8 p.m., Pavilion Theatre.

Friday, April 28

Penn State Exhibitions, exhibits and skits by Arts and Architecture Student Council, 9 a.m.-5 p.m., The Mall, Pollock Rd. to Pattee.

Sports: Men's tennis, vs. Columbia, 2:30 p.m., HUB lawn.

Spring Week Carnival, noon-midnight, IM field.

france-cinema, *The Return of the Tall Blond Man*, 7 and 9 p.m., Room 112 Kern.

African Grooves from Mali will play the 21-string kora and sing. Interpretation by Charles Byrd, Indiana University, 7:30 p.m., Robeson Cultural Center.

Spring Theatre, 8 p.m., Room 102 Kern.

Penn State Thespians, *A Funny Thing Happened on the Way to the Forum*, 8 p.m., Pavilion Theatre.

PSU Bass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 29

Balloon Launch for the Jesse L. McMannes Memorial Fund, all day, East Campus Intramural Field.

Little International Livestock Show, 8 a.m.-4 p.m., Ice Pavilion.

Spring Week Carnival, noon-midnight, IM field. Free Concert, 1:30-5:30 p.m., featuring Johnny's Dance Band.

Sports: men's golf, Nittany Lion Invitational, Blue Course; women's lacrosse, vs. Rutgers, 2 p.m., IM field; baseball, vs. St. Johns (2), 1 p.m., Beaver Field.

Penn State Thespians, *A Funny Thing Happened on the Way to the Forum*, 2 and 8 p.m., Pavilion Theatre.

france-cinema, *The Return of the Tall Blond Man*, 7 and 9 p.m., Room 112 Kern.

Commons play, *And Miss Reardon Drinks a Little*, 8 p.m., Room 102 Kern. Ticket includes make-your-own sundae bar and beverage.



Kevin McCarthy

Glee 'em Hell, Harry, with Kevin McCarthy, scholarship benefit, 8 p.m., Eisenhower Auditorium.

Faculty Club Big Spring Party, dancing, bridge, poker, floor show, 8:30 p.m., Faculty Club.

Penn State Singers, 8:30 p.m., Music Bldg. recital hall.

Sunday, April 30

Beta Sigma Beta/Sy Barash Regatta, 11:30 a.m., Stone Valley. Rain date, May 7.

University Chapel service, Dr. Samuel DeWitt Proctor, Rutgers University, and pastor, Abyssinian Baptist Church, New York 11 a.m., Frizzell Room, Eisenhower Chapel.

Sports: men's golf, Nittany Lion Invitational. Shaver's Creek Nature Center, Spring Wildflower Walk, 2-4 p.m.; Bees, 3-4:30 p.m., Stone Valley.

Lois Oakley, violin, 3:30 p.m., Music Bldg. recital hall.

Commons Play, *And Miss Reardon Drinks a Little*, 8 p.m., Room 102 Kern. Ticket includes make-your-own sundae bar and beverage.

Monday, May 1

First day for signing summer term NDLS and University Long-Term Loans, Room 108 Shields.

Cinema: Lang, *The Big Heat* (1953), 7 p.m.; Hawks, *The Big Sleep* (1946), 9 p.m., HUB assembly hall.

University Faculty Senate meeting, 7:30 p.m., Keller Bldg. auditorium.

Priestley Lecture. Paul Berg, Stanford University Medical Center, on "SV-40 Virus: Its Structure and Life Style" (11:40), 8 p.m., Room 105 Forum Bldg.

Pam Moyer, clarinet, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 2

Fixed date for meetings including Commonwealth Campus faculty.

Hartnet Casdin-Silver on "Holograms," 11:10 a.m., HUB ballroom.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Faculty Club. Leon Lyday, Spanish, on "Flores y Papel."

University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.

Alumni Fellow James Mithöland Jr., on "Authors and Publications," 2:30 p.m., Room 118.

English Colloquium, Elmer Borklund, English, on "Some Modern Celtic Myths," 8 p.m., Room 101 Kern.

History of Photography Series Lecture. Gail Buckland, former archivist of the Royal Photographic Society of Great Britain and author, on "William Henry Fox Talbot, Inventor of Photography," 8 p.m., Room 101 Kern.

Priestley Lecture. Paul Berg, Stanford University Medical Center, on "The Physical, Genetic and Functional Organization of SV-40's Chromosome (II)" (2 of 4), 8 p.m., Room 119 Osmond.

Wednesday, May 3

Eco-Action Sun Day, sunrise services, 6 a.m., Beaver Stadium field; fair, 11 a.m.-4 p.m., HUB lawn.

Philip M. Hauser, professor emeritus, University of Chicago, public lecture on "Social Statistics in the Year 2000," 2:30 p.m., Room 112 Kern Bldg.

Commonsplace Theatre, *Mean Streets*, 7:30 and 9:30 p.m., Room 112 Kern.

Artists Series, American Film Theatre, *Genet, The Maids*, 8 p.m., Eisenhower Auditorium.

History of Photography Series Lecture. Nachum T. Gidal, writer and photojournalist, on "My Life in Photojournalism," 8 p.m., Room 101 Kern.

Priestley Lecture. Paul Berg, Stanford University Medical Center, on "Synthesis of Novel Viral Chromosomes" (4 of 4), 8 p.m., Room 105 Forum.

University Theatre, Euripides, *Electra*, student preview, 8 p.m., The Playhouse.

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 4

Interdisciplinary Baroque Colloquium, Robert W. Frank, English; Carl R. Hausman, philosophy, opening addresses, 3 p.m., HUB assembly hall. J. R. Judson, art history, University of North Carolina, on "Rubens and Book Illustrations," 3:30 p.m., HUB assembly hall.

Priestley Lecture. Paul Berg, Stanford University Medical Center, on "Synthesis of Novel Viral Chromosomes" (4 of 4), 8 p.m., Room 105 Forum.

Sports: women's lacrosse, vs. East Stroudsburg, 3:30 p.m.

Samuel Edgerton, professor of art history, Boston University, on "The picture in the picture: Medieval and Renaissance Italy," 4 p.m., HUB assembly hall. Public lecture sponsored by Art History Department and Medieval Studies.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Penn State University Chorus, 8:30 p.m., Eisenhower Auditorium.

Friday, May 5

Last day for signing spring term NDLS and University Long-Term Loans, Room 108 Shields.

Interdisciplinary Baroque Colloquium, Robert W. Green, European history, on "The Classicist-Baroque Antithesis in the Political and Social Order," 10 a.m., Room 101 Kern.

Steven L. Goldman, Lehigh University, on "The Objectivisation of the Real in the Baroque" (3 p.m.), Room 101 Kern.

Sports: women's tennis, vs. Ohio State, Princeton, Michigan, 10 a.m.

Shaver's Creek Nature Center, Evening Pond Walk, 7 p.m., Stone Valley.

Student Film Organization, *Silent Running*, 7, 9, 11 p.m., Room 102 Forum.

Interdisciplinary Baroque Colloquium, D. Douglas Miller, Musica da Camera, in An Evening of Baroque Music, 8 p.m., Gallery C, Museum of Art.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Gary Rusnak, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday May 6

53rd Penn State Dairy Exposition, 8 a.m.-5 p.m., University Dairy Barn.

Shaver's Creek Nature Center, Early Morning Bird Walk, 8-9:30 a.m.; and Wildflower Identification Workshop (by registration only—85¢-185¢), 9:30 a.m.-noon, Stone Valley.

Eco-Action Recycling, 10-3 p.m., Parking Lot 83 and Boalsburg Fire Hall.

Sports: women's golf, Penn State Invitational; women's lacrosse, Central Penn Tournament; women's tennis, vs. Ohio State, Princeton, Michigan, 10 a.m.; softball, vs. Ursinus (2), 1 p.m.; men's track vs. Maryland, 1 p.m.; football, Blue-White game, 2 p.m., Hersheypark Stadium, Hershey.

france-cinema, Molinari, *Male Hunt*, 7 and 9 p.m., Room 112 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Sunday, May 7

Sports: women's golf, Penn State Invitational; women's lacrosse, Central Penn Tournament; women's tennis, vs. Ohio State, Princeton, Michigan, 10 a.m.

University Chapel service, Dr. Badr Ateya, mineral industries, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, What's New—Young Wildlife in the Spring, 2-4 p.m., Stone Valley.

PSU Wind Ensemble, "Pop's Concert," 3:30 p.m., Arts Courtyard.

france-cinema, Molinari, *Male Hunt*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, April 27

Computation Center, "Introduction to APL" (2 of 6), 7:30 p.m., Room 210 Bus. Adm.

Monday, May 1

Fuel Science, Suzan B. Palmer, Florida Atlantic University, on "Porphyrin Geochemistry in Low to High Rank Bituminous Coals," 4 p.m., Room 301 Siegle.

Computation Center, "Job Control Language" (5 of 6), 7:30 p.m., Room 105 Osmond.

Tuesday, May 2

Biochemistry and Biophysics, Larry C. Davis, Kansas State University, on "Macromolecular Substrate Model for Nitrogenase," 11 a.m., Room 101 Althouse.

Food Science, C. Paden on "Immobilization of Glucose Isomerase," 11:10 a.m., Room 201 Boland.

Analytical Chemistry, Catherine Fenselau on "Biomedical Mass Spectrometry," 1 p.m., Room 339 Davey.

Psychology, Sigvard Rubenowitz, Gothenburg University, Sweden, on "Experiments in Work Redesign in Sweden," 1 p.m., Room 112 Chambers.

Research Applications of Computers, John C. Griffiths, petrography, on "Mineral Resource Assessment," 1 p.m., Room 325 Whitmore.

Solid Waste Management, Warren Custer, H.F. Lenz Co., Johnstown, Pa., on "Solid Waste for Institutional Energy," 2:20 p.m., Room 128 Sackett.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Chemical Engineering, Norman N. Li, Exxon Research & Engineering Co., on "Encapsulation and Separation by Liquid Membranes," 3:45 p.m., Room 140 Fenske.

Genetics, Geraldine Lee on "Mechanisms of Band Formation of Chromosomes with Giemsa and Quinacrine," 3:55 p.m., Room 52 Frear.

Plant Pathology, Chris Miller on "Air Pollution Injury to Plants: A Historical Perspective," 3:55 p.m., Room 213 Buckhout.

Engineering Science and Mechanics, Alex S. Rednor, vice-president, Photoelastic, Inc., Malvern, Pa., on "Photoelastic Determination of Stress Intensity Factors," 4 p.m., Room 113 Sackett.

Computation Center, "Introduction to APL" (3 of 6), 7:30 p.m., Room 201 Bus. Adm.

Wednesday, May 3

Biology/Audio Visual Services, Gotthard Wolf on "Scientific Film as a Research Tool in Zoology and Animal Behaviorism," 3:55 p.m., Room 101 Kern.

Computation Center, "Job Control Language" (6 of 6), 7:30 p.m., Room 105 Osmond.

Thursday, May 4

Ceramic Science, George Y. Onoda Jr., University of Florida, on "Packing and Sintering Relations for Inhomogeneous Mixtures of Coarse and Fine Powders," 11 a.m., Room 310 Siegle.

Chemistry, Herbert House, Georgia Institute of Technology, on "Recent Studies with Organocuprate Reagents," 12:45 p.m., Room 333 Whitmore.

Acoustics, Stefan Czarnetzki, visiting professor, Purdue University, on "Shielding Effects of Barriers in Bounded Space" and "Acoustics in Poland," 1:30 p.m., Room 112 Walker.

Physics, Steven Bishop, Naval Research Laboratory, on "Optically Induced Defects in Amorphous Semiconductors," 3:50 p.m., Room 117 Osmond.

Agromony, Brian Carter, on "Estimating Mean Annual Soil Temperatures for the Appalachians" and "Time as a Factor in the Formation of Soils Developed in Pre-Wisconsinan Glacial Till," 3:55 p.m., Room 111 Tyson.

Meteorology, Robert G. Fiegle, University of Washington, on "Climate Research," 3:55 p.m., Room 112 Walker.

Rail Transport, Lloyd McSparran, General Electric Company, on "Recent Developments in Motive Power and Rapid Transit Equipment Supply," 3:55 p.m., Room 62 Willard.

Geosciences, David Elliott, The Johns Hopkins University, on "Thrust Faults," 4 p.m., Room 22 Deike.

Philosophy, Carl B. Vaughn, on "Categories and the Real Order," 4 p.m., Room 101 Kern.

Biology/Audio Visual Services, Gotthard Wolf on "Scientific Film as a Research Tool in Cell Physiology," 5:57 p.m., Room 102 Chambers.

Computation Center, "Introduction to APL" (4 of 6), 7:30 p.m., Room 201 Bus. Adm.

Friday, May 5

Materials Science and Engineering, Kevin Teichman, UC-Berkeley, on "The Development of Novel Techniques for Lean Combustion," 1:30 p.m., Room 301 Seidle.

Exhibits

Chambers Gallery: Art Education undergraduate student exhibition, through May 16.

Kern Commons Gallery: Ed Lees, photographs, "Five Portraits and an Introduction," David Stineberg, jewelry; Sylvia Rodgers, quilting, "Softstuff"; Erna Martin Yost, Paintings "Canyon Walls," all through April 29. Bob Bott, wall ceramics, through May. Susan Canning, Esther DeLoraso and Suzanne Glascock, prints and drawings, and Mahin Ghanbari, ceramics, opens April 29. Museum of Art: American Art from the Permanent Collection, through April 30; Goya prints and drawings; Robert Kulicke, painter, designer, craftsman.

Zoller Gallery: Richard Rydell, prints, and Bruce West, photographs, opens April 29. Ann Bissell, paintings; Judith Franklin Jones, paintings; Thomas Scullin, paintings, opens May 6.

Former mansion houses Wilkes-Barre Campus

Each year, countless vacationers dig down in their pockets to purchase admission tickets to glamorous mansions where they can see and show the wealthy once lived.

Faculty and staff at Penn State's Wilkes-Barre Campus, however, get paid to work in just such surroundings. Their offices are located in Hayfield House, once the 50-room home of John and Bertha Conyngham. The mansion, along with a 19-car garage (now the Campus Commons building) and 48 acres of land was given to Penn State in 1964 by Mr. and Mrs. Richard J. Robinson — Mrs. Conyngham was Mr. Robinson's aunt.

Mr. Conyngham was a Wilkes-Barre coal industry supplier, his wife, the daughter of a J.P. Morgan banking partner. They built their house, which is located in Lehman Township, several miles outside Wilkes-Barre, at an estimated cost of well over a million dollars in 1934 during the midst of the Depression. The house, which contains more than 33,000 square feet of space, may have been the last of the large mansions built in the United States. Mr. Conyngham was 70 at the time, and he only lived three years more, but his wife used the estate as a summer home until her death in 1964. She was nearly 100 years old.

Although alterations had to be made to adapt the house for use by the Campus, every effort was made to keep its atmosphere intact. Campus Director George W. Bierly, for example, works in Mrs. Conyngham's former boudoir, said to be a copy of Marie Antoinette's at Versailles. Beside it is a marble bathroom — the wooden sides of the tub are so beautifully painted that their simulated marble graining is indistinguishable from the adjoining real article. The bath fixtures, incidentally, are made of gold.

Several of the house's 12 bathrooms have been turned into offices. The public information office has a delightful frieze of polar bears and penguins surrounding an alcove enclosing Mr. Conyngham's former bathtub (which has been boarded over and serves as a shelf). Drapenaves have been placed over the tiled walls to improve their acoustics — it turns out that typing in a tiled bath is somewhat noisy!

Next to the bath is Mr. Conyngham's enormous tiled, enclosed shower stall with seven different control knobs. It is currently used for storage. Mr. Conyngham's closet area (it originally had more than 60 built-in drawers, of which 22 remain) is large enough to accommodate a secretary and her desk.

Maintenance of the house creates a few minor problems. All the hardware was imported from Europe so it is almost impossible to match threads, and of course worn-out parts cannot be

reordered. One exception to this is the slate roof. When it was built, a duplicate set of exactly matched slates was set aside — each slate numbered and color coordinated — to use when repairs became necessary.

The house has three stories, a widow's walk, attic and basement. The latter contains an enormous walk-in safe with an aluminum-lined vault for fur storage and a special bin for wines. Even though classes are now held in the first floor living and dining rooms, their former beauty is easily imagined. Marble fireplaces brought from a French chateau still adorn these rooms (there are 12 fireplaces in the house), as do the original brocade tasseled curtains, for which each tiny tassel was fashioned by hand. Beyond the living room is the graceful "floating" staircase with an intricate handwrought iron and mahogany railing. Except for special occasions, it has been closed to all traffic, however. To conform to State fire regulations, brick enclosed stairwells were built into the house.

Faculty offices are located in what was once a breakfast room. The wall covering, chandelier and floor tiles have a Chinese motif, and the windows look out on a series of fountains.

Students can study in the Conyngham's pine paneled library — the boards were hand-planed — with parquet flooring. Priceless stained glass panels, also brought over from France, can be pulled out over the windows to catch the sun's rays. Study carrels have been placed in a stone walled sunroom, which is graced with a marble fountain. The ceiling area over the Campus library is painted with soft blue sky and pinkish clouds, and the stacks rest on Italian marble floors.

The second floor contained the master bedroom suite and a series of guestrooms, while the third floor was used by the servants. These floors currently house both offices and classrooms.

The Campus employs an around-the-clock staff of nine maintenance workers — the Conynghams had 10 gardeners alone. There is a 15-acre arboretum on the grounds with trees and shrubs brought from around the world, not to mention a glass enclosed gazebo where the Conynghams used to watch sunsets.

Faculty who conduct classes in Hayfield House have become used to their exotic surroundings — lecturing against a background of intricately carved wood paneling, relaxing in a lounge converted from a parl but first time visitors to Wilkes-Barre are always surprised — and appreciative of the thoughtful effort that has gone into maintaining intact a semblance of Hayfield House's former glories.



Library (left) still looks much the same. Faculty desks have replaced table in Chinese breakfast room (below).



Exquisitely carved paneling adorns living room (above), but rug and furnishings were sold. At right, the floating staircase; exterior view at left.



News in brief

(Continued from page 1)

Interdisciplinary Colloquium to deal with Baroque era

The Interdisciplinary Colloquium, an annual event sponsored by the Interdisciplinary Graduate Program in the Humanities, the College of the Liberal Arts, and participating departments, will be held on May 4 and 5 at the University Park Campus. This year's theme is "The Era of the Baroque."

Guest speakers are Dr. J. R. Judson, professor of art history at the University of North Carolina, and Dr. Steven L. Goldman, director of the Humanities Perspectives on Technology Program at Lehigh University. Dr. Judson's topic is "Rubens and Book Illustrations"; Dr. Goldman's, "The Objectification of the Real in the Baroque."

In addition, the following Penn State faculty members will speak and lead discussions: Dr. Robert W. Frank, professor and head of the Department of English; Dr. Carl R. Hausman, professor and head of the Department of Philosophy; and Dr. Robert W. Green, professor of European history. (The Calendar, page 3, carries a complete listing of times and places for the talks.)

At 8 p.m. on Friday, May 5 Musica Da Camera, the University's Chamber orchestra, will present "An Evening of Baroque Music," under the direction of Dr. D. Douglas Miller, professor of music. The concert will begin at 8 p.m. in Gallery C of the Museum of Art. All colloquium sessions are open to the public.

Polish authority on acoustics to speak May 4

Dr. Stefan Czarnecki, a visiting professor at Purdue University's Ray W. Herrick Laboratory, will lecture on "Shielding Effects of Barriers in Bounded Space" and "Acoustics in Poland" at 1:30 p.m. Thursday, May 4 in Room 112 Walker Bldg. His lecture is sponsored by the Graduate Program in Acoustics and the Central Pennsylvania Chapter of the Acoustical Society of America.

Dr. Czarnecki is director of the Acoustical Laboratory of the Polish Academy of Sciences, vice-president of the Committee on Acoustics of the Polish Academy of Sciences, and editor-in-chief of the journal, *Archives of Acoustics*.

Dr. Czarnecki is involved in the study of room acoustics, especially in relation to barriers in industrial halls, aeroacoustics in relation to the generation and propagation of sound by turbulence from flow machinery, and the identification of sound sources and various paths of sound propagation — his main emphasis at Herrick Laboratory.

Cancer Society awards national citation to PSU

The American Cancer Society awarded Penn State a National Citation for cancer control activities last week in Hershey. The society praised the University for the following activities:

- Students have had the opportunity to learn about cancer through programs in residence halls, clubs and organizations, and the Ritenour Health Center.

- Instructors are incorporating American Cancer Society films and programs into course curriculums, both at University Park and at the Campuses.

- Forty-eight programs on breast self-examination, a personal method of detecting breast cancer, were held for women employees.

- Students have volunteered to present educational programs on campus and in their communities, assist with early detection clinics, and hold fund-raising events.

- Instructors have planned and conducted cancer education courses and staffed early detection clinics.



Mr. Miholland

Miholland to serve as Alumni Fellow

James Miholland Jr., senior vice president of Harcourt Brace Jovanovich, Inc., and a 1947 Penn State graduate, will return to the University next week as an Alumni Fellow.

Mr. Miholland will arrive at the University Park Campus on Sunday, April 30 and will stay through Thursday, May 4. His visit is sponsored by the Office of the President, the Penn State Alumni Association, and the College of the Liberal Arts.

He will meet formally and informally with students, and will conduct two public lecture/discussions during the visit. The first, on the topic, "Authors and Publications," will be at 2:30 p.m. on Tuesday, May 2 in Room 318 Hetzel Union Bldg. The second, on "Business Opportunities for the Liberal Arts Graduate," will be at 7 p.m. on Thursday, May 4 in Room 320 HUB.

A native of Pittsburgh, Mr. Miholland entered Penn State in 1940 and enlisted in the U.S. Navy in 1942. He returned to the University in 1946 and was graduated in 1947. After holding a number of jobs in industry, he entered The Johns Hopkins University Graduate School in 1949 and received his M.A. in history in 1951.

He started his career with Harcourt, Brace & Co. as a college textbook salesman.

In 1961, Mr. Miholland became president of The Harvest Publishing Company in Cleveland, and in 1968, he was moved back to New York as a vice president of Harcourt Brace Jovanovich. In 1970, he became head of HBJ's periodical publishing and its insurance operations, and was named a senior vice president and a director of the company.

Mr. Miholland's father, James Miholland Sr., was president of the Penn State Board of Trustees and acting president of Penn State from 1947 to 1950.

Sun Day to offer solar equipment displays

Sun Day, a day of solar discovery and celebration, is being sponsored Wednesday, May 3, at University Park by Eco-Action, a University organization dedicated to preserving the environment.

The purpose of local Sun Day festivities is to show what new solar energy equipment is currently available and to bring a greater awareness of the sun's power to students and State College residents.

"The sun provides clean, economical and safe energy," Jim Perkins, an Eco-Action Sun Day coordinator, said. "We want present and future home owners to know that there is solar equipment now available at reasonable prices. Solar heat is not necessarily expensive."

Several months ago Congress set aside



Dr. Berg

Berg is Priestley lecturer

Dr. Paul Berg, a major figure in the recombinant DNA controversy and a Distinguished Alumnus, will present the 1978 series of Priestley Lectures at the University May 1-4.

The series is titled "The Molecular Anatomy of a Viral Chromosome" and is open to the public. The lectures, which were established in 1926, are sponsored by the Mu Chapter of Phi Lambda Upsilon, chemical honorary, and the College of Science.

The first three talks, to be offered May 1, 2, and 3 at 8 p.m., are titled "SV-40 Virus: Its Structure and Life Style," "The Physical, Genetic and Functional Organization of SV-40's Chromosome (I)," and "The Physical, Genetic and Functional Organization of SV-40's Chromosome (II)." The fourth talk, scheduled for May 4 at 3 p.m., is titled "Synthesis of Novel Viral Chromosomes." All of the talks will take place in Room 105 Forum Bldg, except the second, which will be held in Room 119 Osmond Lab.

Dr. Berg is Willson Professor of Biochemistry and former chairman of the Department of Biochemistry at Stanford University School of Medicine. His current research focuses on the mechanism of gene expression in higher organisms. In addition, he and his colleagues have been active in research which has made possible the recent advances in gene manipulations and in the attempts to consider the potential biohazards such experiments present.

Dr. Berg, a member of the National Academy of Sciences, was named a Distinguished Alumnus by Penn State in 1974 and that year also offered the Paul Althouse Memorial Lecture at Hershey. In 1976 he served as an Alumni Fellow at the University. He is a 1948 graduate of Penn State.

Senate

(Continued from page 1)

Topics under consideration at the May 2 meeting will include a proposed revision of academic drop rules. The change would permit a nondegree student to enroll for a maximum of six credits per term and also provides that a degree or provisional student dropped from this or any other university for poor scholarship may take courses as a nondegree student to improve his or her grade point average to apply for reinstatement to the University. However, the student who has been dropped must sit out one term, other than summer term, following the drop action.

The final report on Baccalaureate Degree Requirements will be presented for legislative action. The full report was published in the April 20 issue of INTERCOM.

May 3 as a day to educate Americans about the benefits of solar power. Earlier this month, State College Mayor Arnold Addison proclaimed that the Borough would observe the holiday.

Sunrise services will be held on a field near Beaver Stadium at 6 a.m. on the morning of May 3. Most of the rest of the day's action will center around a fair on the Hetzel Union Bldg. lawn from 11 a.m. to 4 p.m. Representatives from solar energy companies will be on hand to demonstrate a variety of equipment ranging from hot water heaters to sun-powered radios.

Several Penn State student organizations will be active in Sun Day celebrations. The Astronomy Club will open its observatory in Davey Laboratory from 11 a.m. to 4 p.m. so the public can view sun spots and sun flares. The Photography Club will have a display of sun photos in the HUB.

Tax-deferred annuity plans still available

The Employee Benefits Division wishes to remind all regular, full-time faculty and staff members that they may want to consider participating in one of the three tax-deferred annuity plans made available through the University. The three companies that offer the plans to University employees are The Equitable Life Assurance Society of the United States, Teachers Insurance and Annuity Association (TIAA), and The Variable Annuity Life Insurance Company (VALIC).

Within the past year, both the Equitable and VALIC have made improvements in their programs which have resulted in the insurance companies charging a lower administrative fee.

Basically, a tax-deferred annuity accomplishes two things. It affords an individual an opportunity to defer federal income taxes on current salary and at the same time set aside additional monies for future use, such as retirement.

Employees who feel they may be interested in this program should contact the Employee Benefits Division, Room 103 Willard Bldg. (865-1473).

Future social statistics to be discussed

Philip M. Hauser, Lucy Flower professor emeritus of urban sociology and director emeritus of the Population Research Center at the University of Chicago, will speak on "Social Statistics in the Year 2000" at 2:30 p.m. on Wednesday, May 3 in Room 112 Kern Bldg.

Dr. Hauser is a past president of the National Conference on Social Welfare, American Sociological Association, American Statistical Association, and Population Association of America. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences.

Arts Roundup

Penn State Singers to perform two oratorios

The Penn State Singers will present two 17th century oratorios at 8:30 p.m. on Saturday, April 29 in the Music Bldg. recital hall.

The 28-vocal group under the direction of Raymond Brown will sing Carissimi's *Jephthah* and Purcell's *Dido and Aeneas*. *Jephthah*, which will be accompanied by organ, is an oratorio based on the story of Jephthah leading the children of Israel into battle against the children of Ammon, and the fate of Jephthah's only daughter whom he offers up as a burnt sacrifice to the Lord.

Dido and Aeneas, which will be accompanied by harpsichord and strings, is based on the Greek tragedy of the warrior Aeneas and Dido, the Queen of Carthage. On his return from the Trojan War, Aeneas sails into Dido's harbor at Carthage. As their new love grows, the spirit Mercury sends word that Aeneas must sail. Dido, resigned to her fate, takes her own life.

Prof. Brown founded the Penn State Singers in 1957 to perform works which lend themselves to a small choral group.

Brass Chorale's spring concert is Friday

The Penn State Brass Chorale will present its spring concert at 8:30 p.m. Friday, April 28 in the Music Bldg. recital hall. The American premiere of two works, *Memorial 1794* by Jacques Guyonnet and *Fanfare by Brass* by conductor James Beneshoff, will be a highlight of the program, which will also include trumpet solos by seniors Vanessa Parker and Jeff Baker, in "Trumpet Voluntary" by Jeremiah Clarke.

Other works on the program include "Greetings to a City" by Arthur Bliss, *Concerto Antiphonal* (1972) by James Waters, "Shivaree" by Leonard Bernstein, "Cerebral and Flouish" by Richard Arnell, "Suite for Brass" by Leonard Lebow, and "Hogarth's Hoe down" by W. Hogarth Lear.

Alard to conclude season

The Alard String Quartet will present two Beethoven quartets at its last concert of the 1977-78 season at 8:30 p.m. Wednesday, May 3 in the Music Bldg. recital hall.

During this academic year, the Alard and the visiting Art Series' quartets, the Cleveland, the Vermeer and the Tokyo, have each included different string pieces by Beethoven in their programs. Those who attended all of these quartet concerts will have heard all of Beethoven's string quartet works after the Alard presents its two selections, Quartet in B flat, Op. 18, No. 6 and Quartet in B flat, Op. 130, "Finale." The latter work is the last piece Beethoven wrote. It was composed on his deathbed.

The Quartet will also play Stravinsky's *Concertino*, one of the two pieces that composer wrote for string quartets, and Mozart's Quartet in D major, K. 155, which the composer wrote at the age of 16.

Also on the program is Milos Rózsa's Oscar winning String Quartet (1950), which was dedicated to actor Peter Ustinov. Rózsa composed numerous film scores, including those for *Last Weekend*, *Quo Vadis*, and *A Double Life*.

Members of the Quartet are violinists Joanne Zagst and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman. All are associate professors of music at the University.

'Electra' opens at Playhouse

The classic Greek tragedy, *Electra*, written by Euripides and translated by John Chioles, opens at the Playhouse Theatre Thursday, May 4 and will continue there through Saturday, May 6 and from May 9-13.

Electra, was written about 400 B.C. and

is thought to be one of Euripides' last works.

Archie Smith directs the current production. Scenic design is by Anne A. Gibson. Robert L. Batchelor has designed the costumes; Charles H. Firmin, the lighting. Vocal direction is by David A. Stern; choreography, by Jean Sabatine. All except Mr. Batchelor, who is a graduate student in theatre, are members of the theatre department faculty. Bert Fenner, associate professor of music, has composed original music for the production.

Tickets are on sale at the Playhouse box office. Hours are 1-6 p.m. daily on nonperformance days and 1-9 p.m. on days of performance. Phone reservations are accepted at 865-1884.

Theatians doing "A Funny Thing Happened"

The Penn State Theatians are presenting *A Funny Thing Happened on the Way to the Forum* April 27, 28 and 29 in the Pavilion Theatre.

Richard Cole, a graduate student in theatre arts, is directing the musical, which was written by Burth Shevelove and Larry Gelbart, based on the comedies of Plautus. The music and lyrics are by Stephen Sondheim.

Certain time is 8 p.m. each night, and there will be a matinee at 2 p.m. on Saturday, April 29. Tickets are on sale from 9 a.m. to 4 p.m. on the first floor of the HUB, across from the main desk. The phone number is 865-9461.

Photography talks arranged

Four speakers will take part in a History of Photography Lecture Series during the first two weeks of May.

Gail Buckland, former archivist of the Royal Photographic Society of Great Britain and the author of several books, will open the series on Tuesday, May 2 with a talk on "William Henry Fox Talbot, Inventor of Photography." Her lecture — and all subsequent ones — will be at 8 p.m. in Room 101 Kern Graduate Bldg.

Nachum T. Gidal, a pioneer photojournalist, will speak on "My Life in Photojournalism" on Wednesday, May 3. Now a resident of Jerusalem, Mr. Gidal was active in Germany during the pre-Hitler period.

"The Truthful Lens" will be the topic of Lucien Goldschmidt on Wednesday, May 10. A well known antiquarian bookdealer, Mr. Goldschmidt is the co-author of *The Unpublished Correspondence of Toulouse Lautrec* and author of the forthcoming book, *The Truthful Lens*.

Dr. I. F. Henisch, professor of the history of photography and professor of physics at Penn State, will conclude the series on Thursday, May 11, talking on "Photography and its History." Founder and editor of the journal, *History of Photography*, Dr. Henisch is a Fellow of the Royal Photographic Society of Great Britain and a Corresponding Member of the Deutsche Gesellschaft für Photographie.

Holograms demonstration to be given May 2

Harriet Casdin-Silver will speak and give a demonstration on holograms at 11:10 a.m. Tuesday, May 2 in the HUB ballroom.

Prof. Casdin-Silver, who teaches physics at Brown University, creates holograms, suspended images that appear to be three-dimensional, by using laser light. The laser light passes through a holographic plate and projects the realistic image. The deep red vision hangs 34 inches in front of the plate.

Prof. Casdin-Silver teaches holography as an art medium and presented the first exhibition at the New York Museum of Holography. She is a fellow at the MIT Center for Advanced Visual Arts.

The presentation is part of a series of lectures and demonstrations in STS 498, Art/Science Interface.

Search committee

(Continued from page 1)

are headed by Leonard Brush and James R. Dungan, respectively.

The search committee co-chairmen also will conduct an administrative program review of the operations of the Office of Budget and Planning while the search for a director is being held. Members of the program review team will be composed of individuals having responsibility for planning and budgeting in comparable universities.

Funding Sources

For further information, call 865-1372

(110-3) The National Institute of Education has issued a booklet "Great Competitions & RFPs FY 1978" describing funding opportunities in educational equity, finance and productivity, education and work, basic skills, school capacity for problem solving, and dissemination and resources. (Ref. IBM)

(111-1) The National Science Foundation has formalized its announcement of Industry/University Cooperative Research Activity (Intercom 302-2, March 16, 1978) through NSF Important Notice No. 72, sent to industrial firms and colleges and universities. Funding will be provided "for the encouragement of cooperative research between industry and universities and colleges." Proposed research is expected to make a long-term contribution toward product and/or process innovation. Some cost sharing is desirable and may involve funds, laboratory space, and/or personnel services. (Ref. NSF Important Notice No. 72)

(111-2) The DOL Occupational Safety and Health Administration (OSHA) has issued a notice of grants available for Training, Education and Related Assistance to promote organizational and operational changes necessary to improve safety and health conditions in the workplace. The deadline is May 31. (Ref. 43 FR 16339-42, 41478)

Staff Vacancies

In accordance with the University's guidelines on employment under the current hiring restrictions, the following position vacancies have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for position vacancies in which no State funds are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been excepted from the current hiring curtailment. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 425-1387). Applications for the staff vacancies will be received until 5 p.m., May 4. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap, as provided by law, sex, or status as a disabled or Vietnam era veteran.

STAFF ASSOCIATE AND WRITER — CONTINUING EDUCATION, University Park. Responsible to the Head, Planning Studies for establishing and maintaining standards of style and format to be followed by Planning Studies personnel in the preparation of reports, papers and articles for publication and dissemination. Responsible for assisting in the development, including contacts with external agencies, and conduct of various studies, surveys, and applied research projects. Responsible for overseeing the maintenance and the updating of the central file on licensing and releasing in the preparation of studies; reviews, annotate and summarize pertinent information on funding opportunities, CE trends, new CE programs, etc., for government, research, professional and other publications. Master's degree (or equivalent experience) in social science, with emphasis in English and/or technical writing, plus familiarity with measurement and evaluation techniques. Three to four years' directly related experience in an applied research environment (academic or scientific) with established publication record. An ability to establish and maintain effective working relationships with faculty, research personnel and members of cooperating organizations is highly desirable.

SENIOR ACCOUNTANT, COST AND REIMBURSEMENT — COLLEGE OF MEDICINE, Hershey. Responsible to the Assistant Director of Financial Services for the management of all cost accounting and third party reimbursement functions, monitoring and interpretation of all pertinent regulations and legislation and maintenance of controls on third party accounts receivables. A bachelor of science degree in accounting or business administration or equivalent, plus a minimum of three to four years of hospital accounting experience with emphasis on cost and budgetary reports and control.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed, although names will be withheld on request.

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since a number of these questions are of general interest to the University community, we are running them and the answers in INTERCOM.

Question:

Why are modern methods not used to produce the catalog and have a document only three rather than nine months out of date at the time of distribution?

Answer:

Printing Services recently purchased a sophisticated photocomposing system. Procedures now being developed will make it possible to maintain catalog text material in Management Services' IBM 370 and to transfer that material directly to the photocomposing system. It is anticipated that the lead time for the 1980-81 catalog (that is, the interval between the closing of the manuscript and delivery of the catalog) will be eight to ten weeks.

Joan W. McManis

Director, Office of Publications and University Editor

WPSX Highlights

The inner workings of the Ford Motor dynasty and Henry Ford II's corporate empire are revealed in *Henry Ford's America*, Friday, April 28 at 9 p.m. A perspective on the achievements of Henry Ford himself will be featured Wednesday, May 3 at 8 p.m. on *Nova: Road to Happiness*.

The work of gifted tile-maker Geza Saint-Galy is studied Sunday, April 30 at 4:30 p.m. on a half-hour special called *The Saint-Galy Tiles*. Saint-Galy's work includes a three-year project depicting the early history of the state of Virginia. The tiles are located in colonial Williamsburg.

Jacques and Philippe Cousteau attempt to unravel the mystery of the legendary lost island of Atlantis in two special programs of *The Cousteau Odyssey* to be seen Monday, May 1 and Tuesday, May 2 at 8 p.m. They do the majority of their searching near the island of Crete in the Aegean Sea.

The daily activities of life on a Central Pennsylvania farm are recorded in "R.D. 1, Box 99," the final *Small Town, PA* documentary, airing Monday, May 1 at 9 p.m. The program introduces the family of Gerald and Shirley Brown of Gatesburg, Pa., and shows what life on their farm means to them. Tuesday, May 2 at 10 p.m., *Six American Families* visits a family farm in Iowa.

William Conrad narrates a one-hour special about the island of Alcatraz — a symbol of an antiquated penal system — Tuesday, May 2 at 9 p.m. Alcatraz uses newsreels and vintage film to study the history of the maximum security prison.

Members of the Milwaukee Repertory Theatre appear in *Trial of the Moke*, a tense portrayal of the systematic persecution of the first black cadet to graduate from West Point. The drama will be presented Wednesday, May 3 at 9 p.m. on *Great Performances*.

Two farmers, one in Georgia and one in Senegal, provide the basis for an analysis of two economic systems — America's government-supported free enterprise system and the state-controlled system of third world nations — Thursday, May 4 at 9 p.m. on *World*.

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News in Brief



Hurwitz to visit as Alumni Fellow

Dr. Albert Hurwitz, president of the International Society for Education Through Art (ISEA), will visit the University Park Campus from Wednesday, May 10 through Friday, May 12 as an Alumni Fellow.

Having traveled widely as president of the international society, he will also present a public lecture and slide show on children's art from around the world. The lecture is scheduled for 7:30 p.m. on Thursday, May 11 in Kern auditorium.

Since 1966, Dr. Hurwitz has been the coordinator of visual and related arts for the public schools in Newton, Mass.

ISEA, which includes members from almost every country in the world, is a professional organization for art educators and others with an interest in the various forms of education through the arts. Dr. Hurwitz was formerly vice president of the National Art Education Association.

He is a 1978 recipient of the Distinguished Alumnus Award from Penn State and a 1977 recipient of the same award from Peabody College in Nashville, Tenn., where he earned a B.S. and an M.A. in art education. His M.F.A., in drama, was conferred by Yale University, and his Ed.D., in art education, by Penn State.

A regular contributor to professional journals in his field, Dr. Hurwitz is the author of two books, *Programs of Promise* and *The Joyous Vision*. He is the co-author, with Charles Gaiskell, of *Children and Their Art*. He has been affiliated as an actor and director with the Institute of Contemporary Art in Washington, D.C., and has produced 16 Off-Broadway plays in New York City.

The Alumni Fellows Program is sponsored by the Office of the President, Penn State Alumni Association, and Colleges of the University. Dr. Hurwitz is a guest of the College of Education.

Policy described for military leaves

At this time of year, as military reservists and National Guard members make requests for leaves of absence for annual military training duty, the University, in accordance with the law, will grant such leaves without salary, regardless of an individual's length of regular University service.

University policy also provides that if a regular faculty or staff member has six months of regular University service prior to the date of the requested leave, the leave is granted according to the provisions of PS-20 (Leave of Absence for Annual Military Training Duty).

PS-20 provides that a regular faculty or staff member employed on a 12-month basis, whose military base pay is less than his or her University salary would be for the same calendar period covering the leave of absence, will be paid the difference by the University for a period of active duty of at least seven calendar days up to a maximum of 15 calendar days, upon request by the faculty or staff member.

A staff member may elect to use accumulated vacation during the leave. In such instances, the individual continues to receive full salary from the University for the amount of time charged to accumulated vacation.

Art historian will speak on May 12

Dr. Samuel Y. Edgerton, professor of art history at Boston University, will present a talk on "The *pittura infamante* in Medieval and Renaissance Italy" at 4 p.m. Friday, May 12 in the HUB assembly room.

Dr. Edgerton received his Ph.D. at the University of Pennsylvania and is a specialist in the history of late medieval and Renaissance art. He has held a National Endowment for the Arts and Humanities fellowship and was also a fellow of the Institute for Advanced Study at Princeton University.

Dr. Edgerton is visiting University Park as a guest lecturer in the course, "Crime, Courts and Society in the Middle Ages,"

(Continued on page 4)

Council formed to coordinate concerns of the handicapped

The formation of the Presidents' University Coordinating Council for Concerns of the Handicapped was announced recently by President John W. Oswald.

The council, according to Dr. Oswald, is one of the University's responses both to the 1975 report from the University President's Commission on the Physically Handicapped Student and to Sections 503 and 504 of the U.S. Rehabilitation Act of 1973.

President Oswald's commission reported 27 specific recommendations on ways to aid handicapped students and employees at the University. Sections 503 and 504 require that all federally funded institutions make programs and services accessible to their handicapped employees and students and not discriminate against them in hiring or admissions.

Dr. Raymond O. Murphy, vice-president for Student Affairs, is chairman of the council. Other members include Ralph Zilly, vice-president for business; Dr. Robert Quinn, dean of academic instruction for Commonwealth Campuses; Dr. Robert Dunham, vice-president for Undergraduate Studies; Floyd Fischer, vice-president for Continuing Education; Dr. James Bartoo, dean of the Graduate School; William Asbury, affirmative action officer of the University; Phillip A. Grosnick, interim coordinator of services for the physically handicapped; Benjamin Lane, dean of Student Affairs; Behrend College; Dr. Jerry South, dean of Student Affairs, Capitol Campus; and Gaye Sheffler, director of Student Affairs, Hershey

Medical Center.

President Oswald has charged the council to act as a coordinating point for individual members in their respective responsibilities regarding the handicapped. The council will serve as a clearinghouse and information source for members and will make recommendations to President Oswald. It will suggest priorities for the improvement of access to the handicapped and will oversee the University's compliance with federal guidelines. Other duties include keeping alert to the possibility of federal funding and receiving reports from the Handicapped Students Association and from any other interested or concerned agency or party.

The charge also states that the council shall establish and review University-wide policies and procedures relating to the general welfare of handicapped persons at the University.

The University is dealing with the problems of all the disabled persons it enrolls or employs at each of the Campuses under a two-phased transition plan designed to make all programs accessible to the handicapped by June 1980. The transition plan was drawn up by Dr. Murphy, Dr. Dunham, Mr. Zilly, Dr. John Leathers, administrative director for Commonwealth Campuses, and Ray T. Fortunato, assistant vice-president for personnel administration. It was submitted to Provost Edward D. Eddy last December.

There are several aspects to the University's plan including a self-evaluation of all educational policies, programs and procedures affecting the handicapped.

The plan also directs that each academic unit, through scheduling changes or other accommodations, ensure that course work is accessible.

The Office of Physical Plant is directed to complete its on-going survey of buildings, athletic facilities, walkways and roadways around the University. Physical Plant is also to continue "chipping away" at already diagnosed physical barriers.

Each academic and administrative unit is to conduct a self-evaluation to identify barriers and recommend ways to ensure access to programs and services. Needs for any auxiliary learning aids for handicapped students must also be identified.

The plan provides that research be done concerning the handicapped elementary and secondary students in private and public schools in Pennsylvania to find out how many are potential University students. The research should arrive at an estimate of how many disabled students the University can expect to serve in the future.

In 1980, a special Ad Hoc Committee on the Handicapped is to be formed to report to President Oswald on what has been accomplished and what goals remain to be met. That's the second phase of the plan.

In July of 1976, the University filed its assurance of compliance with the Department of Health, Education and Welfare, at that time assigning responsibility for making programs

(Continued on page 4)

Senate at Monday night session limits use of the course drop

The University Faculty Senate approved an amendment revising the policy regarding the eight-week course drop at a session held Monday evening in the Keller Bldg. auditorium.

The legislation, put forth by the Ad Hoc Committee of Engineering Senators, limits the use of course drops from the fourth through the eighth week of classes to a maximum of 12 credits for baccalaureate degree candidates and six credits for associate degree candidates. The regulation also applies to provisional students who intend to become degree candidates.

The Senate also voted to delete a section of Senate Policy that had indicated that students with physical handicaps could be prevented access to scheduled courses at the University in certain cases. The deletion was made because Sections 503 and 504 of the U.S. Rehabilitation Act of 1973 prohibit discrimination against handicapped individuals and also direct that all University programs be made accessible to the handicapped.

A rule change affecting extended degree students was also passed. The new rule says that students do not have to apply for

readmission if they interrupt credit work for at least one term if they were on leave of absence, if they were not enrolled during summer term, or if they are extended degree candidates.

Senators heard informational reports on student evaluation of instruction and the activities of the Academic and Athletic Standards Committee.

The Senate Committee on Admissions, Records and Scheduling reported on the first results of a regular reporting system for monitoring University admissions policies and procedures. The Snyder Amendment, requiring annual reports to the Pennsylvania Legislature about faculty activities, was also discussed.

The Senate was to meet again Tuesday afternoon at Kern Bldg. to discuss a proposed change in promotion and tenure procedures as well as a proposed revision of academic drop rules.

The final report on Baccalaureate Degree Requirements was also to be presented for action.

The Nominating Committee for 1978-79 Senate officers was to present nominations and accept nominations from the floor.

Penn Staters

Dr. John E. Searles, professor of education, has been awarded a Fulbright-Hays grant to use during the coming academic year. He will conduct research on the use of instructional design models at the Studies and Planning Center of the Ministry of Education in Lisbon, Portugal.

Dr. J. L. Duda, professor of chemical engineering, recently presented seminars to the department of polymer science at the University of Massachusetts in Amherst and the department of chemical engineering at the Polytechnic Institute of New York in Brooklyn. His topic was "Molecular Diffusion in Polymer Solutions."

Dr. Sam Y. Zamrik, professor of engineering mechanics, was named a member of the United States national delegation to the Advisory Group for Aerospace Research and Development of NATO. The delegation held technical meetings April 10-14 in Aalborg, Denmark, where specialists from U.S. and Europe met to discuss failure analysis of structural components that are of interest to NATO nations. At the meeting, Dr. Zamrik presented a talk on "The Effect of Elevated Temperature on the Life of Structural Components under a Complex Loading System."

Charles D. Ameringer, professor of Latin American history, took part in an April 4 seminar to examine Brazilian and Venezuelan perspectives in the development of the Amazon Basin on April 4 at the Johns Hopkins University. Dr. Ameringer, who has written a book chapter about Venezuelan foreign policy, was one of 20 scholars invited to participate.

Roger M. Herman, professor of physics, presented seminars at three universities recently on "Nonlinear Optics in Kerr Liquids." Dr. Herman spoke at Georgia Tech, Kent State, and Memorial University, St. John's, Newfoundland.

Dr. Jerold E. Elliott, associate professor of recreation and parks, has received the highest award granted by the Association of Interpretive Naturalists. At the association's recent national conference in Tucson, he was presented the Fellow Award for "achievement of excellence in the field of interpretation of the natural environment." Dr. Elliott serves on the National Board of AIN as chairman of professional certification and training, and is a member of the editorial board of the *Journal of Interpretation*.

Provost **Edward D. Eddy** delivered the Honors Convocation address at the University of New Hampshire on April 30. From 1949 to 1960, Dr. Eddy served the University of New Hampshire successively as assistant to the President, acting president, and vice president and provost.

Dr. Ronald Keiper, associate professor of biology at the Mont Alto Campus, delivered two lectures April 20 and 21 at Cornell University's Veterinary College. His talks were drawn from his research experiences with the feral ponies at Assateague Island and dealt with his observations of pony behavior.

Bookshelf

The Curse is not another in the recent rash of scary books about demonic possession or the supernatural, although it does discuss taboos, rituals, myths and symbolism.

Dr. Emily Toth, assistant professor of

English, is co-author of this cultural history of menstruation. Documenting the overall influence of the menstrual cycle on woman, man and society, *The Curse* was described by the *New York Times* as "hard-headed, richly documented..."

An analysis of the treatment of menstruation in anthropology, literature, history, advertising and even jokes is developed by the authors.

Finding that attitudes toward menstruation are rarely positive and seldom discussed in any culture, the authors report that the very word taboo may originate in the Polynesian word for menstruation: "tupua."

The book was published by the New American Library.

The Macmillan Publishing Co., Inc., has recently published the third edition of *Practical Public Speaking* by **Dr. Eugene E. White**, professor of speech communication and acting head of the Department of Speech Communication. Earlier editions of the book received more than 20 reprints and were adopted by more than 200 colleges and universities. Dr. White is the author of seven other books in the field of rhetoric.

Obituary

Henry Menusian Jr., who retired in 1968 as professor emeritus of entomology extension after 25 years with Penn State, died April 8. He was 76. Born in France, Dr. Menusian earned a doctorate from Cornell University. During his years at Penn State, he pioneered in introducing chemical insect control measures to Commonwealth farmers.

Funding Sources

For further information, call 865-1372

G11-1) The Department of Energy (DOE) is proposing to establish an Appropriate Technology Small Grants Program. Project awards would be limited to \$10,000 for concept development, and \$50,000 each for development and for demonstration projects. (Ref. 43FR185-90, 4/17/78)

G12-1) The Social Security Administration has grant money available for Income Maintenance Research and Demonstration Grants. Priority areas include: fraud control demonstration, electronic fund transfer, automation, aid to families with dependent children management, and welfare analysis. Unsolicited proposals are also accepted. Deadline: June 30. (Ref. 43FR17661-62, 4/17/78) (CFDA 13.766)

G12-2) The National Science Foundation has several programs with July deadlines — July 1, U.S.-Israel Binational Science Program; Office of Oceanographic Facilities and Support; Earth Science Research; U.S. Australia Cooperative Science Program (seminar and workshops); July 3, Division of Earth Sciences (unsolicited research); July 7, Division of Environmental Biology (unsolicited research); and July 31, Division of Behavioral and Neural Sciences (unsolicited research); Division of Materials Research (unsolicited research).



Faculty Club President Marjorie East watches R. Dorn Hetzel, instructor in theatre arts, try out his grandfather's desk. The desk and an office table belonging to Penn State President Ralph Dorn Hetzel (1926-47) are on loan to the Club, along with several side chairs dating from the administration of President George Atherton (1882-1906), from the Penn State Room.

From the Press

The Rhumb Line of Symbolism, by Laurent LeSage. 267 pages. \$12.75

The author holds that the self-styled Symbolist poets represent only an articulate phase of a steady course in French poetry from the Romantic period to the present. Twenty French poets from Sainte-Beuve to Valéry are explored. The aim of the book is to reconcile the broad and narrow views of Symbolism. Its method is to give the ideas and experiences of the poets representative of the movement, together with a selection from their writings.

This is the eleventh book authored by Dr. LeSage, professor emeritus of Romance languages at the University. Among his works are *The French New Criticism*, *The French New Novel*, and *Joan Girardoux: His Life and Works*. He has been a frequent contributor to the *New York Times Book Review* and for 20 years was the regular reviewer of French books for the *Saturday Review of Literature*.



Philadelphia and the China Trade, 1682-1846, by Jonathan Goldstein. 121 pages. \$9.50.

This book examines the close ties Philadelphia merchants had with their Chinese counterparts almost a century before the American Revolution. The author points out that in its heyday, Philadelphia controlled approximately one-third of the United States' trade with China. He also explores the attitude of Philadelphia merchants toward the Chinese merchants and their government.

Dr. Goldstein teaches Chinese history at Villanova University.

A Theology of Encounter: The Ontological Ground for a New Christianity, by Charles B. Ketcham. 170 pages. \$12.50.

Taking a more radical position than most contemporary theologians, the author says that a Christian can affirm his belief without denying the beliefs of others by claiming Christian revelation is reasonable

and faithful to tradition, but not necessarily infallible or exclusively definitive.

To the Christian, in Dr. Ketcham's words: "It is in the life, death, and Resurrection of Christ that God presently reveals Himself; this is what is meant by the term *Christ-event*... The Church is therefore the community of those whose unity is in the Christ-event, those whose identity has been and is being influenced by their encounter with God in this event."

Dr. Ketcham is the author of *The Search for Meaningful Existence, Faith and Freedom*, and *Federico Fellini: The Search for a New Mythology*. He is the Bishop James M. Thoburn Professor of Religion at Allegheny College.



In a Defiant Stance: The Conditions of Law in Massachusetts Bay, the Irish Comparison, and the Coming of the American Revolution, by John Phillip Reid. 222 pages. \$14.50.

Dr. Reid, a professor of law at New York University, presents a case for the argument that law and the control of law have a more powerful effect on the course of history than is generally assumed. In particular, he compares the relative lack of violence in the American Revolution with Ireland's long and bloody struggle for independence.

Focusing on the most rebellious American colony, Massachusetts Bay, he points out that law was locally controlled and that imperial law was almost nonexistent as an influence on the daily lives of individuals. In Ireland, however, because of imperial control of legal machinery, nationalists were forced to resort to secret, underground violence.

Dr. Reid examines various Massachusetts Bay institutions — the governorship, council, grand jury, traverse jury, and magistrates — to show the consequences of Whig party control, in contrast to the situation in 18th-century Ireland.

The Case-or-Controversy Provision, by James E. Radcliffe. 285 pages. \$13.50.

Dr. Radcliffe traces the case-or-controversy limitation (Article III, Section 2) from its genesis in the U.S. Constitutional Convention through 188 years of application by the Supreme Court. The book makes a clear distinction between the integral components of the case-or-controversy provision and judicially created doctrines.

Dr. Radcliffe took his Ph.D. at Penn State and is professor of government at Shippensburg State College.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

May 4-14

Special Events

Thursday, May 4

The Playhouse.
Penn State University Choirs, 8:30 p.m., Eisenhower Auditorium.

Friday, May 5

Last day for signing spring term NDSL and University Long-Term Loans, Room 108 Shields.

Interdisciplinary Baroque Colloquium, Robert W. Green, European history, on "The Classicist-Baroque Antithesis in the Political and Social Order," 10 a.m., Room 101 Kern. Steven L. Goldman, Lehigh University, on "The Objectification of the Real in the Baroque," 2 p.m., Room 101 Kern.

Sports: women's tennis, vs. Ohio State, Princeton, Michigan, 10 a.m.

Shaver's Creek Nature Center, Evening Pond Walk, 7:30-9 p.m., Stone Valley.

Student Film Organization, *Silent Running*, 7, 9, 11 p.m., Room 102 Forum.

Interdisciplinary Baroque Colloquium, D. Douglas Miller, *Musica da Camera*, "An Evening of Baroque Music," 8 p.m., Gallery C, Museum of Art.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Gary Rusnak, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 6

53rd Penn State Dairy Exposition, 8 a.m.-5 p.m., University Dairy Barns.

Shaver's Creek Nature Center, Early Morning Sun Walk, 6:30-9 a.m., Wildflower Identification Workshop (by registration only - 865-1851), 9:30 a.m.-noon, Stone Valley.

Eco-Action Recycling, 10 a.m.-3 p.m., Parking Lot 83 and Boalsburg Fire Hall.

Sports: women's golf, Penn State Invitational; women's lacrosse, Central Penn Tournament; women's tennis, vs. Ohio State.

Princeton, Michigan, 10 a.m.; softball, vs. Ursinus (2), 1 p.m.; men's track, vs. Maryland, 4 p.m.; football, Blue-White game, 2 p.m., Hersheypark Stadium, Hershey.

france-cinema, Molinaro, *Male Hunt*, 7 and 9 p.m., Room 112 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Sunday, May 7

Sports: women's golf, Penn State Invitational; women's lacrosse, Central Penn Tournament; women's tennis, vs. Ohio State.

Princeton, Michigan, 10 a.m.

University Chapel service. Dr. Badr Ateya, mineral industries, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Young Wildlife in the Spring, 2-4 p.m., Stone Valley.

PSU Jazz Blue Band, "Big Band Music," 2 p.m., Music Bldg. recital hall.

Annual Academic Assembly program to present Evan Pugh Scholars Awards, President Sparks Awards and the President's Freshman Awards, 3:30 p.m., Eisenhower Auditorium.

PSU Wind Ensemble, "Pops Concert," 4 p.m., Arts Courtyard.

france-cinema, Molinaro, *Male Hunt*, 7 and 9 p.m., Room 112 Kern.

Monday, May 8

Cine-theque, Yates, *Bullitt* (1968), 7 and 9 p.m., HUB assembly hall.

Painter Herbert Katzman discusses his work, 8 p.m., Zoller Gallery.

Landscape Architecture Lecture, Kenneth Polakowski, University of Michigan, on "Land Planning in Australia - What's Up Down Under?" 7:30 p.m., Room 26 Mineral Sciences.

Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 9

Last drop deadline.

Last date for prospective graduate students to submit completed application materials for admission to summer term.

Last date for graduate students to apply for permission to resume study in summer term.

Friends of the Museum of Art Gallery Talk.

Robert Kulicke, New York designer and craftsman, on "Jewelry," 10:30 a.m., Museum of Art.

Native American Symposium Series. Dr. William Demmert, director, Office of Indian Affairs, Washington, D.C., on "Organization and Administration of Indian Education Programs," 12:30 p.m., Room 112 Kern.

Comp. Lit. Luncheon, 12:15 p.m., talk 1 p.m., Faculty Club. Rodelle Weintraub, English, on "The Celibate Marriage: Charlotte Shaw in Shaw's Later Plays."

Sports: softball, vs. West Chester, 2 p.m.; men's tennis, vs. Edinboro, 2 p.m.; baseball, vs. Indiana (Pa.) (2), 1 p.m.

Raoul C. van Caenegem, University of Ghent, on "English Common Law, a Divergence from the European Pattern," 3 p.m., Rare Books Room, Pattee.

Spanish, Italian, Portuguese/IAHS Lecture.

Edmundo Bendezi, on "Martin Adan: Unknown Master of Spanish American Poetry," 4 p.m., Room 312 Keller.

Comp. Lit. Film Series, *Desica, Miracle in Milan*, 7 and 9 p.m., Room 112 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Wednesday, May 10

Raoul C. van Caenegem, University of Ghent, on "Gallert of Bruges and Flemish Law," 11:10 a.m., Room 111 Boucke.

Commonplace Theatre, *If*, 7:30 and 9:30 p.m., Room 112 Kern.

Comp. Lit. Film Series, *Resnais, Night and Fog*, French with English subtitles, 8 p.m., Room 151 Willard.

History of Photography Series Lecture. Lucien Goldschmidt, editor and bookseller, on "The Truthful Lens," 8 p.m., Room 101 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Composer's Concert, Faculty presentation of music students' compositions, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 11

Sports: softball, vs. Clarion (2), 2 p.m.

History Colloquium, Raoul C. van Caenegem, University of Ghent, on "Some Urban Legislation of Philippe of Alsace, Count of Flanders," 2:30 p.m., Room 124 Sparks.

"End of Another Year" Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.

Alumni Fellow Albert Hurwitz on "Children's Art from Around the World," 7:30 p.m., Kern auditorium.

Central Pennsylvania Society of the Archaeological Institute of America/Dept. of Art History. Louis Dupree, anthropology, on "Recent Archaeological Discoveries in Afghanistan and China," 8 p.m., Room 258 Willard.

History of Photography Series Lecture. Heinz K. Henisch, physics and history of photography, on "Photography and Its History," 8 p.m., Room 101 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Friday, May 12

Sports: women's track, Lady Lion Invitational; men's tennis, vs. Bucknell, 2 p.m.

Samuel Y. Edgerton, professor of art history, Boston University, on "The Pittura Infante in Medieval and Renaissance Italy," 4 p.m., HUB assembly room. Public lecture sponsored by Art History Department and Medieval Studies.

"End of Another Year" Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Philosophy Dept. Dottore Lecture, Wilfrid Sellars, University of Pittsburgh, on "Categories and Conceptual Schemes in Philosophy," 8 p.m., Laurel Room, Nittany Lion Inn.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

David Hudson, tenor, accompanied by Thomas Ahrens, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 13

Last date for submitting petition to Records Office to graduate in absentia in May.

Sports: women's track, Lady Lion Invitational.

Shaver's Creek Nature Center, Nature Workshop for Freshchildren and Parents (by registration only - 865-1851), 9:30 a.m.-noon, Stone Valley.



Springtime varsity sports include baseball and golf. At top, Gary Durbin; below, pitcher Mike Guman.

france-cinema, *The Sex Shop*, 7 and 9 p.m., Room 112 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

University Choirs and PSU Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 14

University Chapel service. Special musical program directed by Raymond Brown, 11 a.m., Music Bldg. recital hall.

Shaver's Creek Nature Center, Spring Wildflower Walk, 2-4 p.m., Stone Valley.

Penn State Glee Club, 3 p.m., Eisenhower Auditorium.

Opening Reception, "End of Year Student Show," 3-5 p.m., Zoller Gallery.

france-cinema, *The Sex Shop*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, May 4

Acoustics/Central Pennsylvania Chapter of the Acoustical Society of America, Stefan Czarnecki, Purdue University, on "Shielding Effects of Barriers in Bounded Space," and "Acoustics in Poland," 1:30 p.m., Room 112 Wacker.

Biology/Audio Visual Services, Gotthard Wolf on "Scientific Film as a Research Tool in Cell Physiology," 5-7 p.m., Room 102 Chambers.

Computation Center, "Introduction to APL" (4 of 6), 7:30 p.m., Room 201 Bus. Adm.

Friday, May 5

Materials Science and Engineering, Kevin Teichman, UC-Berkeley, on "The Development of Novel Techniques for Lean Combustion," 1:30 p.m., Room 301 Sudick.

Physical Chemistry, Daniel Sudick on

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

"Luminescence of Lanthanide Ions as a Structural Probe," 4 p.m., Room 333 Whitmore.

Monday, May 8

Biochemistry and Biophysics, Edward Eddy, on "Conversations with Provost Eddy," 3:55 p.m., Room 101 Althouse.

Fuel Science, Thomas Ryan, mechanical engineering, on "Methodology for Determining Combustion Characteristics of I.C. Engine Fuels," 4 p.m., Room 301 Steidle.

Tuesday, May 9

Biochemistry and Biophysics, Priscilla Cooper, Stanford University, on "Excision Repair Pathways in E. coli," 11:10 a.m., Room 101 Althouse.

Food Science, E. Wongsitkarn, on "Degree of Gelatinization of Starch in Baked Products," 11:10 a.m., Room 201 Borland.

Analytical Chemistry, George Goodloe on "Mass Spectrometry and Ion-Molecule Reactions," 1 p.m., Room 339 Davis.

Solid Waste Management, Lowen Shearer, mechanical engineering, on "European Experiences with Energy Recovery Systems," 2:20 p.m., Room 128 Sackett.

Chemical Engineering, Leonard G. Austin, materials science, on "Simulation Models of Size Reductions," 3:45 p.m., Room 140 Fenske.

Genetics, Jenn Yue Yeh on "Starch Characterization of the Dull Maisse Endperm Mutant," 3:55 p.m., Room 52 Frear.

Plant Pathology, Roger Kaiser on "Plant Virology: Past Problems and Present Solutions," 3:55 p.m., Room 213 Buckhout.

Engineering Science and Mechanics, H. R. Hardy Jr. on "Stability Evaluation of Geologic Structures," 4 p.m., Room 113 Sackett.

Geosciences, Roy J. Greenfield, geophysics, on "Geophysical Methods for Locating Trapped Miners," 4 p.m., Room 22 Deike.

Computation Center, "Introduction to APL" (5 of 6), 7:30 p.m., Room 201 Bus. Adm.

Thursday, May 11

Chemistry, Stephen J. Lippard, Columbia University, on "Platinum Complexes: Probes of Polynuclear Structures and Anti-Tumor Drugs," 12:45 p.m., Room 333 Whitmore.

Physics/Astronomy, W. S. Benedict, University of Maryland, on "Spectroscopy of Planetary Atmospheres," 3:50 p.m., Room 117 Osmond.

Agronomy, Michael Hoover, on "The Use of the Elevated Sand Mound for On-site Surface Sewage Disposal in Pennsylvania," and Bruce Willman on "Chemical and Bacterial Renovation of Septic Tank Effluent in Sand Columns," 3:55 p.m., Room 111 Tyson.

Rail Transport, A. L. Sams, vice-president, DeLeuw & Cather Co., Washington, D.C., on "Northeast Corridor Improvement Project," 3:55 p.m., Room 62 Willard.

Computation Center, "Introduction to APL" (6 of 6), 7:30 p.m., Room 201 Bus. Adm.

Friday, May 12

Philosophy/Speech Communication/Liberal Arts/IAHS, Ernesto Garcia, director, Center for the Study of the Humanities and Philosophy, University of Munich, on "Languages as the Presupposition of Religion: A Problem of Rhetoric as Philosophy?" 10 a.m., Room 124 Sparks.

Chambers Gallery: Art Education undergraduate student exhibition, through May 19.

Kern Commons Gallery: Bob Botti, wall ceramics, through May 6. Susan Canning, Esther Del Rosso and Suzanne Glascock, prints and drawings; Mahin Chahar, ceramics, both through May 13.

Museum of Art: Goya prints and drawings, through May 28. Robert Kulicke, painter, draftsman, through June 25.

Zoller Gallery: Ann Bissell, Judith Franklin Jones, and Thomas Scullin, paintings, May 6-11; End of Year Student Show, opens May 14.

Hammond Gallery: Current Glassworks by Art Dept. students.

Wagner Bldg.: "The Special Collection of the U.S. Navy Combat Art of World War II," 8 a.m.-4 p.m., weekdays; noon-5 p.m., Sunday, through May 8.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

QUESTION:

Four copies of a March 31 memo summarizing recent developments in Business Services were received at our Earth and Mineral Sciences Library — one to each of the staff. Why? We are asked to save energy; why not paper, envelopes, etc.? One copy would have been sufficient to each section, or perhaps, two, but not four.

Name withheld

ANSWER:

The memorandum of March 31 regarding Business Services was sent to members of the University faculty and staff to inform them of services available in this area. This method of mailing was actually an economy. It was designed so that recipients could pass along extra copies to clerical personnel. At the present time, there exists no distribution listing by office or section that would allow a mailing of the type you suggest to be made.

R.L. Crowley
Assistant Vice President for
Business Services

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since a number of these questions are of general interest to the University community, we are running them and the answers in INTERCOM.

QUESTION:

Why with the energy crisis and pleas for reduced usage did many buildings continue to be overheated to the point of being uncomfortable, even though repeated requests were made by the occupants to reduce the heat?

ANSWER:

Such a general question can only receive a generalized answer, both as to buildings and time frame.

In a concerted effort to save electricity, we significantly reduced the operating time of ventilation systems. This, of course, allowed the accumulation of heat from lighting, human bodies, solar gain and system losses. To have prevented it would have increased the electrical consumption.

A second cause of overheating — and none of these is mutually exclusive — may simply have been the malfunction of a particular control system or component or the absence of a component. Our first indication of this type of problem usually is a call to the Physical Plant Service Desk by a building or departmental coordinator. Our response time on such calls has generally been excellent, especially during the recent electrical emergency.

A third cause of overheating, which applies only to those 30-odd buildings directly heated by steam, is due to the fact that older control systems are not capable of operating reliably at the reduced comfort levels. This, in turn, leads to the necessity of employing workmen to control these systems manually.

In respect to the phrase, "repeated requests," used in the question, we have found that generally such words result more from a sense of frustration rather than from a lack of response from a contact through the proper channels. If we receive more specific information, we can not only correct the overheating problem but also review our own procedures for preventing "repeated requests."

R.E. Zilly
Vice President for Business

Assistant/Associate Provost bids asked

Applications are now being accepted for the position of Assistant/Associate Provost of the University.

The Assistant/Associate Provost will be directly responsible to the University Provost for the coordination of relationships with various academic and administrative divisions of the University as assigned. The individual also will conduct studies, prepare proposals, coordinate procedures involved in program review, and represent the Provost in certain faculty and administrative committees.

Candidates should have earned the highest degree awarded in their discipline or professional field, have gained

significant administrative and teaching experience in at least two institutions of higher education, be experienced in the development and funding of innovative academic programs, be able to write clearly and imaginatively, and have the ability to work effectively with people individually and in groups.

Title is dependent on experience and qualifications.

Nominations and letters of application with resumes should be sent by May 15 to:

Search Committee
Office of the Provost
The Pennsylvania State University
205 Old Main
University Park, Pennsylvania 16802

UNICARE review urged

Faculty and staff members of the University should periodically review the deduction being taken for their group health insurance (UNICARE) to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances arise:

1. Your spouse or only dependent child begins working for the University as a regular employee.
2. Your spouse or only dependent child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.

To determine whether or not you have the right coverage or are paying the right

amount, compare the amounts shown on your salary check stub with the amount you should be paying as shown in the following table:

Insured Persons	Monthly	Bi-weekly
Employee only	None	None
Employee, child, children	\$1.75	\$0.80
Employee, spouse	\$3.60	\$1.66
Employee, spouse, child or children	\$5.00	\$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost.)

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473. Faculty and staff members at locations away from University Park may receive assistance by contacting their Personnel Officer or Business Manager.

The University has no way of knowing whether a change should be made, so it is the employee's responsibility to keep the records up-to-date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.

News in brief

(Continued from page 1)

and his talk, which is open to the public, is being sponsored by the Department of Art History, Medieval Studies and the Institute for the Arts and Humanistic Studies.

Pops concert May 7

The annual spring pops concert of the Penn State Symphonic Wind Ensemble will be held at 4 p.m. Sunday, May 7 in the Arts Courtyard.

According to conductor Smith Toulson, associate professor of music, the program will be a varied one that should appeal to a wide variety of musical tastes and backgrounds, and parents are welcome to bring their children to this informal, outdoor event.

Industrial designer to speak May 9

William Katavolos, architect and industrial designer, will deliver a public lecture at 7:30 p.m. Tuesday, May 9 in Room 102 Forum Bldg. His talk, "Correlation: The Future of Architecture," is the last of the 1977-78 Spring Lecture Series sponsored by the Department of Architecture.

Katzman to talk about his paintings

New York artist Herbert H. Katzman will deliver an illustrated lecture on his work at 8 p.m. Monday, May 8 in Zoller Gallery. Mr. Katzman has had exhibits at the Museum of Modern Art, the Art Institute

of Chicago, and the Whitney and Hirshhorn museums, and his paintings are represented in their collections.

Claremont playing May 8

The Claremont Woodwind Quintet will present its final concert of the current season at 8:30 p.m. Monday, May 8 in the Music Bldg. recital hall.

Based on the theme, "The Romantic Woodwind Quintet," the group has chosen three works for its program. Le Tombeau de Couperin by Maurice Ravel was originally written for piano and then transcribed for orchestra by the composer and for woodwind quintet by Mason Jones, of the Philadelphia Orchestra. Quintet by Carl Nielsen is a contemporary piece that uses the English horn, as well as the traditional quintet instruments, and Partita by Irving Fine is another modern work that incorporates elements of baroque structure.

The Claremont Woodwind Quintet is made up of four Penn State music department faculty members — Smith Toulson, clarinet; Overda Page, flute; Monte Bedford, oboe; and Christopher Callahan, French horn; and William Dole, bassoon.

Medieval scholar visiting

Raoul C. van Caenegem professor of medieval history and the history of medieval law at the University of Ghent, will visit the University Park Campus next week in conjunction with Medieval Studies Week and the interdisciplinary course, "Crime, Courts, and Society in the Middle Ages."

Prof. van Caenegem is the author of numerous books and articles but is probably best known for his *Guide to the*

Sources of Medieval History, the standard guide in the field, and *The Birth of English Common Law*.

He will speak at 3 p.m. on Tuesday, May 9 in the Rare Books Room at Pattee Library on the topic, "English Common Law, a Divergence from the European Pattern," at 11:10 a.m. on Wednesday, May 10 in Room 111 Boucke Bldg., on "Galbert of Bruges and Flemish Law," and at 2:30 p.m. on Thursday, May 11 in Room 124 Sparks, on "The Urban Legislation of Philip of Alsace, Count of Flanders." All three lectures are open to the public.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed on the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387), by May 11. These suit-
VACANCIES will be accepted until 5 p.m., May 11. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — STUDENT AFFAIRS, New Kensington Responsible to the Dean of Student Affairs for the administration and coordination of various functions within Student Affairs operations at the New Kensington Campus, primarily student activities and financial aid. Participates in the delivery of service and conducts aspects of other programs of Student Affairs, including secondary school relations, orientation and other general areas of Student Affairs. Master's degree in student personnel administration, counseling, or related field, plus up to one year directly related experience, or a bachelor's degree and equivalent job-related effective experience of more than two years.

SUPERVISOR, LIABILITIES SERVICES, OUTPATIENT LABORATORY AND STUDENT LABORATORIES — COLLEGE DE MEDICINE, Hershey Responsible to Manager, Clinical Laboratories for supervision and operation of Liaison Service, Outpatient Laboratory and Student Laboratories. Bachelor's degree in science or medical technology — MT (ASCP) — and/or equivalent, plus a minimum of three years' experience in clinical laboratories.

BUSINESS MANAGER — INTERCOLLEGE RESEARCH PROGRAMS, University Park Responsible to Director of the Computation Center for the general business affairs of the center. Administers Computation Center budget, initiates and monitors actions for purchasing, contracting for services, personnel actions, collecting revenue. Maintains and projects schedules of equipment installed at various sites. Analyzes expenses and revenue, prepares budget projections, determines actions to insure maximum cost effectiveness. Supervises print shop. B.S. degree in accounting or business administration, plus three years of directly related experience, including one year's experience with business procedures of The Pennsylvania State University.

EDITOR, PUBLICATIONS AND PUBLIC INFORMATION — INFORMATION SERVICES IN CONTINUING EDUCATION, University Park Responsible to the Head of Publications and Public Information for the development, editing, and production of Continuing Education promotion and public information literature. Principal duties and responsibilities include writing finished copy of brochures, pamphlets, etc. as required by Continuing Education staff, reviewing and editing draft copy for promotional and public information material; supervising the maintenance and utilization of Continuing Education-held mailing lists; representing the Head of Publications and Public Information and functioning as chief liaison personnel Continuing Education to the Office of the University Editor; determining general specifications of publications; and functioning as expediter of printing in order to guarantee adherence to specifications, especially delivery deadline. Bachelor's degree in journalism, English, related field or its equivalent, plus five to seven years of directly related experience in publications and public information.

APPLICATIONS PROGRAMMER/ANALYST — MANAGEMENT SERVICES, University Park Responsible for the analysis, design, and programming required in the development and modification of computer programs. Conduct interviews with system users, perform feasibility studies, and investigate alternative modes of data handling to support systems design recommendations for modification or development. Bachelor's degree or equivalent in built computer systems and one to two years of directly related experience in computer programming and analysis.

Handicapped

(Continued from page 1)

accessible to Dr. Murphy and Mr. Asbury. "This program has the potential for helping everyone," Mr. Asbury says. "Anyone of use could become handicapped in the future."

Penn State Intercom



Mr. Addison

Mr. Stormer

Dr. Matson

Addison, Matson, Stormer to receive University awards

Three members of the University's staff will be honored at an awards reception Sunday, May 14.

Arnold Addison, personnel director of the Applied Research Laboratory and professor of industrial relations, will receive the Barash Award for Human Service.

Dr. Margaret B. Matson, professor of sociology and social welfare, has been named the 1978 recipient of the McKay Donkin Award.

David E. Stormer, director of University Safety, will accept the John E. Wilkinson Award.

The Barash Award, a \$1,000 check, was created in 1975 by the family of the late Sy Barash, of State College, to recognize annually a full-time member of the faculty, staff, or student body at University Park "who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans."

Mr. Barash, a Penn State graduate, was in business in State College from 1953 until his death in 1975 and over the years devoted a great amount of energy and leadership to human causes, both on and off the campus.

Prof. Addison, a member of the University faculty since 1948, was cited by the Award Committee for his work in local government. A member of the State College Borough Council for 18 years, he currently serves as State College Mayor.

Prior to his service on Borough Council, he was chairman of the State College Civil Service Commission.

Prof. Addison led the establishment of a new University Relations Committee under the new home rule charter for State College in 1976 and was elected its first chairman. He continues to serve on the committee, which is a major communications link between the University and the municipality.

He received the A.B. and M.A. degrees from West Virginia University and did additional graduate work in labor management at Penn State. In 1967 he was a Ford Foundation visiting professor of management in the Graduate School of Business, Monterrey Institute of Technology, Mexico.

The \$500 McKay Donkin Award is given annually to the faculty or staff member, including retired personnel, who has "contributed most to the economic, physical, mental or social welfare of the University faculty."

It was established with contributions made by the family and friends of the late

McKay Donkin, who, prior to his death in 1968, had served for more than ten years as vice president for finance and treasurer of the University.

Dr. Matson was cited by a nominating committee for her tireless participation in a number of University activities.

In particular, the committee said, Dr. Matson has been a longtime advocate of faculty participation in University governance and has worked hard and effectively to make shared responsibility a reality. She has served as vice-chairman of the University Faculty Senate, interim head of her department, a member of the Faculty Advisory Committee and the University's Five-Year Budget Planning Task Force and has been active on University Council.

Dr. Matson, who is retiring this year, received a bachelor's degree in sociology from the University of Missouri and a Ph.D. from Penn State, also in sociology.

While social welfare courses were taught at Penn State before Dr. Matson came to the University, she is credited with developing the social welfare major and with greatly expanding the course offerings. She is the author of a widely used monograph, *Field Experience in Undergraduate Programs in Social Welfare*.

In the recommendation for the \$500 John E. Wilkinson Award which recognizes outstanding achievement in the administrative field, Mr. Stormer was cited for his "imagination and aggressiveness in development of new management techniques," and for "skills in relating to students and organized student groups."

One of his major concerns, the recommendation notes, has been the appointment of better educated, better trained personnel in the Department of University Safety.

During the past three years, an average of more than 10,000 hours of supervised training has been conducted for department personnel. Of the current 54 regular personnel in the Department, two officers hold a master's degree, 18 hold a bachelor's degree, three hold an associate degree, and 10 officers are continuing their college education.

Under Mr. Stormer, the new position of Police Services Officer was created, and a system of neighborhood police teams has been installed to work closely with inhabitants of the various residence hall areas.

A native of northern Michigan, Mr. Stormer received a B.S. in police administration and M.S. in criminal justice, both from Michigan State.

News in Brief

Fact finding group exploring calendar questions

An informal fact-finding group is making an exploratory study of various aspects of the question of changing from a term to a semester system at the University.

The decision to make the study was brought about by the energy crisis of last winter, according to Provost Edward D. Eddy.

When the term break was extended an additional week last January, it provided Penn State with hard data on cost savings for the first time, Dr. Eddy explained.

The Provost emphasized that the group is only gathering facts and is not concerned with making a final decision on the change. Principally, it will consider three questions:

— Would a change to the semester system result in significant savings in energy?

— Would it result in significant cost savings?

— Would it significantly improve the quality of teaching?

In describing the fact finding process to the University Faculty Senate at its April 30 meeting, Dr. Eddy announced that he would particularly appreciate receiving any comments which individual faculty members would care to make in regard to the third question, which is the most difficult to measure.

"I have been told that many faculty members prefer the 50-minute period to the 75-minute period," Dr. Eddy said, "and I have also been told that many

faculty members feel that students need more time to prepare good term papers than is available under the term period. Beyond these factors, in terms of the quality of the educational process, we have no hard data or solid body of opinion.

"Apparently," Dr. Eddy continued, "those who have taught under both systems prefer the longer semester."

Although the entire University would not be closed down in January, substantial savings in the coldest part of the year might be realized by the mothballing of the student residence halls and dining halls, as well as of other large student facilities.

"I want to stress, however," Dr. Eddy added, "that we have no preconceived ideas about the advantages of either system. Penn State is such a gigantic enterprise that we would have to consider very carefully the initial costs of making calendar changes."

"It's a little like moving from a big house to a smaller one. Any savings on the mortgage payments might be wiped out by the moving costs."

University to plan Faculty Club operation

In anticipation of a formal request by officers of the Faculty Club for the University to accept responsibility for operation of its facility, President John W. Oswald said this week that the University will plan, in all likelihood, to operate the facility in conjunction with the Nittany Lion Inn.

(Continued on page 4)

Senate approves revisions of BDR

The University Faculty Senate voted last Tuesday to approve a revision in Baccalaureate Degree Requirements (BDR) for each College in the University.

The new BDR sets at 46 the number of credits needed by degree candidates to satisfy general education requirements. Baccalaureate degree programs are divided into general education requirements, courses in the student's major field and electives.

The vote followed extensive debate, which often centered on the minimum credit distribution for each College to satisfy the requirement that students take a certain number of courses in art, humanities, social and behavioral sciences, and natural sciences.

The Senate Ad Hoc Review Committee on Baccalaureate Degree Requirements had set the general education requirement at 43 credits. The committee's plan called for nine credits in communications (certain English and speech courses), six credits in quantification (including specified mathematics, applied mathematics, computer science, statistics and philosophy courses), four credits in health sciences and physical education (designated physical education, health sciences, food science, nutrition and health education courses), and 24 credits in the areas of arts, humanities, social and behavioral sciences and natural sciences.

However, an amendment offered by Dr. E. Willard Miller, associate dean for resident instruction in the College of Earth and Mineral Sciences, stipulated 27 credits

for the "distribution or breadth requirement" encompassing arts, humanities, social and behavioral sciences and natural sciences. Under the amendment, which was approved by the Senate, three credits were added in the field of natural sciences.

The approved distribution chart for each College calls for nine credits in natural sciences and six credits each in the arts, humanities and social and behavioral sciences—a total of 27 credits for "distribution or breadth."

Dr. Nunzio J. Palladino, dean of the College of Engineering, offered an amendment to allow a student, with the consent of his or her advisor, to use three credits from the course headings under arts, humanities and social and behavioral sciences to pursue a program in depth of nine credits in a sequence of courses in one of those areas provided it is not in the student's major field. The Senate approved the amendment.

Dr. Thomas D. Larson, professor of civil engineering and director of the Pennsylvania Transportation Institute, presented the BDR committee's report. He told the senators, "The curriculum may be the most important thing a University says about itself."

He also likened the difficulties in reaching a workable compromise on baccalaureate degree requirements to the nation's problems in coming up with a national energy policy.

During the lengthy debate, Provost (Continued on page 4)

Penn Staters

Dr. Gladys I. Ritchie has been named associate dean of academic instruction for Commonwealth Campuses, effective May 1. Dr. Ritchie has served in the position on an interim basis since Aug. 15, 1978.

Prior to the interim appointment, Dr. Ritchie had been working in the Office of the Dean of Academic Instruction for Commonwealth Campuses as an administrative intern.

Dr. Ritchie holds an M.A. in English from the University of Colorado and a Ph.D. in speech communication from Temple University. She has participated in post doctoral studies in film history and criticism at Temple University.

Dr. Ritchie joined Penn State as an assistant professor of speech at the Delaware County Campus in June 1968. She was promoted to associate professor in 1973.

She was named "Outstanding Teacher of the Year" at the Delaware County Campus in 1972, the first year that the award was presented there. She was cited for "her excellent teaching, high standards and concern for students, and her outstanding contributions to all aspects of Campus life."

Prior to joining Penn State, she was assistant professor of English at Wichita State University in Kansas.

Dr. Paul L. Michael has been named a Fellow of the Acoustical Society of America. Professor of environmental acoustics and director of the University's Environmental Acoustics Laboratory, Dr. Michael was cited for his contributions to industrial acoustics and noise control.

Dr. Walter Severs, professor of pharmacology at Hershey, has been selected to receive the University of Pittsburgh Distinguished Alumnus Award for 1978.

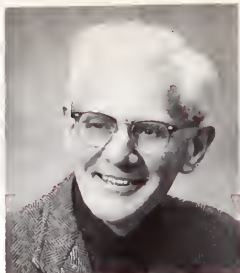
Dr. Henry S. Albinski, professor of political science, has just returned from a month-long trip to Australia, New Zealand and Papua New Guinea under the auspices of a U.S. State Department American Specialist grant. Prof. Albinski presented lectures and seminars at several universities and before public affairs groups. He also presented an invited paper at an international conference in Canberra sponsored by the Australian Institute of International Affairs. His topic was "American Perspectives on the ANZUS Alliance."

Dr. Harry Alcock, professor of chemistry, is one of ten scientists from the United States invited to participate in a joint U.S.-Brazilian program to be held at the dedication of a new Macromolecular Science Institute in Rio de Janeiro. One of the purposes of the program is to stimulate interactions between U.S. and Brazilian research groups in the field of macromolecules.

Dr. C. Dale Thierien, associate professor of biology, recently presented invited lectures at the University of Washington, Seattle, and Western Washington University, Bellingham. Dr. Thierien discussed his research on slime molds.

Dr. V. S. Stubican, professor of materials science and engineering, returned recently from a six-month leave of absence which he spent as Max Planck Professor at the Max Planck Institute for Solid State Research in Stuttgart, West Germany. There he worked on theoretical and structural aspects of new types of solid state electrolytes for use in high-power batteries and fuel cells.

During his stay in Europe, he also lectured on "Transport Phenomena in Solids" and "Zirconia Ceramics" at the Philips Research Laboratories in Aachen; the Annawerke Co. research laboratory in Coburg; the Universities of Aachen, Cologne, and Hanover; and the Imperial College in London.



Dr. Gerald M. Moser, a member of the University faculty since 1949, has retired with the rank of professor emeritus of Romance languages.

He came to Penn State from the University of Illinois as an assistant professor in what was then the Department of Romance Languages. During his years here and partly through his efforts, a separate Department of Spanish, Italian, and Portuguese evolved and the course offerings in Portuguese and Brazilian studies were greatly expanded.

Born in Leipzig, Germany, Dr. Moser attended school in that city, studied law and art history briefly at the University of Geneva and then went to the Sorbonne, where he stayed for six years and earned three degrees in German and Portuguese. He was later awarded a post-graduate study fellowship at the University of Chicago. In 1962-63, he was a Fulbright Scholar at the University of Lisbon, Portugal, and during the summer of 1966, he conducted research on Spanish literature in Madrid under a grant from the American Philosophical Society.

Before coming to Penn State, Dr. Moser taught at the University of Illinois, the University of Wisconsin, Cornell University, Bridgewater College in Virginia, and the Oxford Academy in Pleasantville, N.J.

He is the author of two books on the Lusophone (Portuguese language) literatures of Africa and collaborated with H.C. Woodbridge on a book about South American poet Rubén Darío.

In retiring before reaching the age of 65, Dr. Moser says, he is following the advice given 300 years ago by Baltasar Gracián, the Spanish prose writer and Jesuit priest: "Don't linger on like a setting sun. 'Tis a maxim for the wise: leave things before they leave you."

He adds, however, that he intends to continue to study, write and publish during his retirement. He and his wife, Ingeborg, a State College area teacher, will maintain their residence in Ferguson Township.

Dr. George W. Gokel, assistant professor of chemistry, recently presented invited lectures on "Chemistry in Mixed Phase Media" at the Ethyl Corporation of Baton Rouge and at the Louisiana State University. He also presented a lecture on "Oxathiolane-dioxides as Synthetic Equivalents" at Tulane University.

Kenneth Holderman, vice-president emeritus of Commonwealth Campuses and a member of the University's Board of Trustees, was honored at the Spring Advisory Board Dinner Meeting of the New Kensington Campus where the Campus Theater Green Room was formally dedicated to him.

Also honored at the affair was Albert J. Miller, Campus librarian, who received the Director's Award for Outstanding Academic Achievement and Service to the University.

Prof. Alfred McClung and Campus Director Robert Arbuckle, received the Silver Jubilee Citation of the Department of General Engineering for their promotion of engineering technology at Penn State.

Renting your house - without tears

There's more to renting your house than just turning the keys over to the tenants.

The University Housing Referral Service, a division of The Faculty Women's Club, has put together a written guide on suggestions for faculty or staff members who are considering renting their homes. It's called "Everything You Always Wanted to Know About Renting Your House." But Were Afraid to Even Think About."

The guide is available for 25 cents at the Faculty Women's Club office in Room 313 Willard Bldg. and is based on the experiences of approximately 25 families who rented their State College area homes while they were away from the University. Designed primarily for faculty families leaving the area for sabbaticals or leaves of absence, the guide contains tips that can apply to anyone renting houses.

Detailed suggestions on how to handle the lease, the utilities, insurance, damages, storage, repairs and other items are included. The benefits of using a realtor to oversee certain details in the owner's absence are also discussed.

The Housing Referral Service was set up to help University employees list homes for rent and to take inquiries from people looking for rentals in the State College area. A nominal fee is charged for listing a house rental. The fee is used for office expenses such as stamps, printing and the telephone bill.

Volunteer help is used at the office, which is open from 9:30 a.m. to 11:30 a.m. Tuesdays and from noon until 2 p.m. Thursdays.

An answering service takes care of queries when the office is closed. The phone number is 865-1538.

The rental guide was written by a committee chaired by Judy Aronson. The members included Nancy Spear, Jane Richey and Judy Sammis. Actual writing began in the winter of 1976.

The Housing Referral Service accepts no responsibility to either party in a referral case. The service staff hopes clients will have read the guide to "Everything You Always Wanted to Know..." and arrangements will proceed smoothly from that point.



From left: Mr. Dawson, President Oswald, and George Reach, president of Campus Advisory Board, at dedication of Dawson Bldg.

Worthington Scranton honors Dawson

Robert E. Dawson, former director of the Worthington Scranton Campus, was honored Friday, April 28 with the naming of the Campus Classroom Administration Bldg. as Robert E. Dawson Bldg.

Principal speaker for the noon dedication luncheon was President John W. Oswald. Other speakers included Robert H. Jones, former director of the General State Authority; former Penn State President Eric A. Walker; and Penn State alumnus James F. Valvano.

Mr. Dawson served as administrative head of the Penn State Evening School from 1942 to 1958 when he was appointed director of the Worthington Scranton Campus, a position he held until his retirement in 1971.

The newly designated Robert E. Dawson Bldg. erected in 1968, the first structure to be erected on the Dunmore acreage acquired in purchases in 1959 and 1964. It was constructed at a cost of \$1.4 million.

Marshall H. Kaplan, associate professor of aerospace engineering, conducted a one-day colloquium on communications satellites April 23 in San Diego under the sponsorship of the American Institute of Aeronautics and Astronautics. He also conducted a tutorial session on launching, positioning, and acquisition of geostationary communications satellites.

Obituary

F. Joseph Bedenk, professor emeritus of physical education, died May 2 at the age of 81. Born in Williamsport, Mr. Bedenk received a B.S. in business administration from Penn State in 1924 and his master's degree in that field from Columbia University.

He came to Penn State in 1930 after coaching at Rice and the University of Florida. He was named head baseball coach in 1931, a position he held for 32 years. In 1949 he was also head football coach of the Nittany Lions.

Baudelaire: A Self-Portrait by eminent professors Lois Boe Hyslop and Francis E. Hyslop, originally published by the Oxford University Press in 1957, is to be reprinted by the Greenwood Press of Westport, Conn. In 1957 it was chosen as one of its offerings by the Readers' Subscription Book Club.

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University Park Calendar

May 11-21

Special Events

Thursday, May 11

End of Another Year Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.
USC, Democratic Candidates Night, 7 p.m., HUB main lounge.

Alumni Fellow Albert Hurwitz on "Children's Art from around the World," illustrated public lecture, 7:30 p.m., Room 112 Kern.

Art History/Archaeological Institute of America Lecture: Louis Dupree, adjunct professor, anthropology, on "Recent Archaeological Discoveries in Afghanistan and China," 8 p.m., Room 258 Willard.

History of Photography Lecture: Heinz K. Henisch, physics and history of photography, on "Photography and Its History," 8 p.m., Room 101 Kern.

University Theatre, Euripides, *Electra*, 8 p.m., The Playhouse.

Friday, May 12

Sports: women's track, Lady Lion Invitational tennis, vs. Bucknell, 2 p.m.

Speech Communication Carroll C. Arnold Lecture: Dr. Arnold, on "Levels of Rhetorical Understanding," 2:30 p.m., Room 112 Kern.

Art History/Medieval Studies Lecture: Samuel Y. Edgerton, Boston University, on "The *pittura infamante* in Medieval and Renaissance Italy," 4 p.m., HUB assembly hall.

End of Another Year Candlelight Dinner, 4:45-7 p.m., Terrace Room, HUB.

Isle and Square Dance Roundup, 7:30 p.m., Room 133 White.

STO film, *Ora*, 7:30, 9:30 and 11:30 p.m., Room 111 Forum.

Philosophy Department Dottner Lecture: Wilfred Sellars, University of Pittsburgh, on "Categories and Conceptual Schemes in Philosophy," 8 p.m., Laurel Room, Nittany Lion Inn.

University Theatre, *Electra*, 8 p.m., The Playhouse.

David Hudson, accompanied by Thomas Ahrens, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 13

Last date for submitting petition to Records Office to graduate in absentia in May.

Sports: women's track, Lady Lion Invitational. Shaver's Creek Nature Center, Nature Workshop for Preschoolers and Parents (by registration only — 865-1851), 9:30 a.m.-noon, Stone Valley.

Children's Theatre Weekend. *Tuck Everlasting*, 11 a.m. and 3 p.m., HUB ballroom; *For the Love of a Worm*, 11 a.m. and 2 p.m., Fisher Plaza. Free.

Franchise-cinema, *The Sex Shop*, 7 and 9 p.m., Room 112 Kern.

STO film, *Ora*, 7:30, 9:30 and 11:30 p.m., Room 111 Forum.

University Theatre, *Electra*, 8 p.m., The Playhouse.

University Choirs and PSU Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 14

Children's Theatre Weekend. *Tuck Everlasting*, 11 a.m. and 3 p.m., HUB ballroom.

University Chapel service. Raymond Brown directs a special musical program, 11 a.m., Music Bldg. recital hall.

Shaver's Creek Nature Center, Spring Wildflower Walk, 2-4 p.m., Stone Valley.

Opening Reception, "End of Year Student Show," 3-5 p.m., Zoller Gallery.

Penn State Glee Club, 3 p.m., Eisenhower Auditorium.

Franchise-cinema, *The Sex Shop*, 7 and 9 p.m., Room 112 Kern.

Monday, May 15

Cinematheque, Fredkin, *The French Connection* (1972), 7 and 9 p.m., HUB assembly hall.

White Band concert, 7 p.m., Fisher Plaza.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, May 16

International Program Lecture: Jeffrey Race on "The Economic Background of Recent Political Events in South East Asia," 1 p.m., Room 112 Kern.

Wednesday, May 17

Commons Kaleidoscope, "1977 Master's Golf Tournament," noon, Kern lobby.

Shakespeare film, *King Lear* (Brook/Scofield), 6:30 p.m., Room 101 Chambers.

Commonplace Theatre, *First Circle*, 7:30 and 9:30 p.m., Room 112 Kern.

Graduate Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 18

Shakespeare film, *King Lear* (Brook/Scofield), 6:30 p.m., Room 101 Chambers.

Friday, May 19

Early registration for summer term, 8:30 a.m.-4:30 p.m., Room 112 Shields, through Wednesday, May 24.

Sports: men's track, Penn State Open.

Medieval Studies, Society for Creative Anachronisms, Medieval Combat Demonstration, 7 p.m., HUB lawn. Rain place: HUB ballroom.

Shaver's Creek Nature Center, Ghoules and Beasts and Things that Go Bump in the Night, 8 p.m., Stone Valley.

Karen Keating, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 20

Last day for signing spring term Emergency Loans, Room 108 Shields.

Shaver's Creek Nature Center, Early Morning Bird Walk, 8-9:30 a.m.; Spring Wildflower Walk, 2-4 p.m., Stone Valley.

Eco-Action Recycling, 10 a.m.-3 p.m., Parking Lot 83 and Boalsburg Fire Hall.

Spring term classes end.

Sunday, May 21

Final examinations.

Shaver's Creek Nature Center, History in the Rocks, 2-4 p.m., Stone Valley.

Ruth Johnson, violin, 8:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, May 11

Computation Center, "Introduction to AFL" (6/4 of 6), 7:30 p.m., Room 201 Bus. Admin.

Friday, May 12

Philosophy/Speech Communication, Ernesto Grassi, University of Munich, on "Languages as the Presupposition of Religion: A Problem of Rhetoric as Philosophy?" 10 a.m., Room 124 Sparks.

Civil Engineering/Pa. Transportation Institute, Joel Horowitz, U.S. EPA, Washington, D.C., on "On the Methods of Evaluating Transportation Options," 12:45 p.m., Room 132 EE East.

Monday, May 15

Philosophy/Speech Communication, Ernesto Grassi, University of Munich, and Carroll Arnold, emeritus professor of speech communication, on "Types of Rhetoric and Problems of the Relationship between Philosophy and Rhetoric," 10 a.m., Room 124 Sparks.

Materials Research, J. B. Wachtman, National Bureau of Standards, 1978 president of

American Ceramic Society, on "Materials Research for the National Energy Supply," 1:30 p.m., Room 189 MRL.

Biochemistry and Biophysics, Manfred Mayer, Johns Hopkins University, on "The Activation Pathways of the Complement System," 3:55 p.m., Room 101 Althouse.

Fuel Science, Alan A. Leff on "A Mass Spectral Study of the Pyrolysis Products of Coal under Rapid Heating Conditions," 4 p.m., Room 301 Steidle.

Tuesday, May 16

Biochemistry and Biophysics, Manfred Mayer, Johns Hopkins University, on "The Membrane Attack Mechanism of the Complement System," 11:10 a.m., Room 101 Althouse.

Analytical Chemistry, Hayden Clark on "The PSU High Resolution Mass Spectrometry System — An Example Lab Box Design," 1 p.m., Room 339 Davey.

Solid Waste Management, Richard Panizek, geology, on "Living with Leachate," 2:20 p.m., Room 128 Sackett.

Genetics, Bernie May on "Quantitative Inheritance in Salmonidae," 3:55 p.m., Room 52 Frear.

Thursday, May 18

Ceramic Science, Dennis Reedy, Ohio State University, on "Electromigration and Electrolysis in Ceramics," 11 a.m., Room 301 Steidle.

Man-Environment Relations, Rodney Erickson, geography, on "Issues in Urban and Industrial Relocation," 2 p.m., Room S131 Henderson.

Agency, James Irons on "Remote Sensing of Strip Mines through Image Texture Analysis," and Robert Mathewson on "Computer Enhancement of Aerial Photography for Agronomic Use," 3:55 p.m., Room 111 Tyson.

Meteorology, Richard Goldberg, atmospheric science, NASA Goddard Space Center, on "Solar Activity — A Factor in Weather and Climate," 3:55 p.m., Room 112 Walker.

Rail Transport, James W. Boone, Office of Rail Economics and Operations, Federal Railroad Administration, on "Intermodal Competition and Economic Discrimination: A Reassessment," 3:55 p.m., Room 62 Willard.

Philosophy, Aaron Druckman, philosophy, on "Three Unpires and the Devil," 4 p.m., Room 69 Willard.

Acoustics, Fred J. Everly, research associate, ARL, on "Adaptive Array Noise Cancelling Using Stochastic Approximation Techniques," 4 p.m., Room 73 Willard.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Exhibits

Anthropology Museum: Open Tuesday and Thursday, 9-11:45 a.m., 12:45-5 p.m.; Wednesdays, 9 a.m.-noon. North African ceramics, Materials from Afghanistan; Mezzo-American Archaeology.

Chambers Gallery: Art Education undergraduate student exhibition, through May 19.

Hammond Gallery: Current Glass Works by Art Dept. students, through May 12.

Kern Commons Gallery: Susan Canning, Ester Del Rosso, and Suzanne Glascock, prints and drawings; Mahin Ghanbari, ceramics, all through May 13; Michael Pascucci, sculpture and drawings, opens May 13.

Museum of Art: Goya prints and drawings, through May 28; Robert Kulicke, painter, designer, craftsman, special exhibition, Jerome Wilkin's "Painter's Crossing"; American paintings from the permanent collection.

Pattee Galleries: East Corridor gallery, Patricia Bellan Gillen, "Graphics on Silk and Paper," through May 12; Lending Services Lobby, Ingrid Putsch, prints and drawings, through May 26.

Zoller Gallery: End of Year Student Show, May 14-19; Cindy Stan, prints, and Diane Tetrault, ceramics, May 21-26.

WPSX Highlights

At age 47, Winslow Homer turned his back on the world to spend his last years in a solitude which produced some of his greatest work. Saturday, May 14 at 7:30 p.m., Winslow Homer in Maine recalls the painter's years at Prout's Neck, Maine, through his own words and memories of relatives and friends.

Sunday, May 14 at 1 p.m., Channel 3 presents **Campus Visions**, a showcase of video and film productions created by students in the speech communication, journalism, and theatre and film departments at Penn State. The one-hour special will include commentary by Craig Tenney, assistant professor of journalism. **Campus Visions** can also be seen Saturday, May 20 at 2 p.m.

Bridgestone Tennis Doubles Championships, Sunday, May 14 at 3 p.m., provides recorded coverage of the finals match between the team of Françoise Durr and Virginia Wade and the team of Billy Jean King and Martina Navratilova.

Three days of hearings in Washington, D.C. are condensed into the one-hour special, **Incarcerated Children**, to be seen Monday, May 15 at 9 p.m. Witnesses who appear on the program tell of their experiences as children incarcerated in public institutions and of solitary confinement and other penal methods employed there. Talkabout, Tuesday, May 16 at 7:30 p.m., takes a look at another problem for American youths with a discussion of child abuse. Scheduled to appear on the program are Robert L. Burgess, professor of human development and Lee Miller, administrator of Child-Line and abuse registry for the Pennsylvania Department of Welfare.

Few pioneers doubted that the "varmints" of the American west — the rattlesnake, the coyote, and wild mustang — should be destroyed. But today these animals have staunch defenders as revealed Tuesday, May 16 at 8 p.m. in a repeat broadcast of the **National Geographic Special: The Animals Nobody Loved**.



News in brief

(Continued from page 1)

If this is done, he said that it would have to be operated in a fully self-supporting manner, as is the Inn now.

"In effect," Dr. Oswald explained, "the facility would function as a part of the Inn and in support of the educational programs of the University, including the various Colleges, Continuing Education, and others.

"The facility would continue, of course, to be available for use by the Faculty Club organization and other organizations and groups under arrangement with the Inn."

Other details, including the issue of a possible physical link to the Inn, located nearby, and other matters will be examined during the next few months in preparation for a re-opening of the facility in the fall, Dr. Oswald said.

The Faculty Club building was opened on August 31, 1976, and was built with designated gifts of more than \$1,000,000. Owned by the University, it has been leased to the Faculty Club, which has had complete responsibility for its operation.

Sellers to deliver Dotterer lecture May 12

"Categories and Conceptual Schemes in Philosophy" will be the topic of Prof. Wilfred Sellers for the Ninth Annual Dotterer Lecture at 8 p.m. Friday, May 12 in the Laurel Room of the Nittany Lion Inn.

Research professor in the philosophy of science at the University of Pittsburgh, Dr. Sellers has served as president of the American Philosophical Association.

Among his special interests are the theory of knowledge, the history of philosophy and the philosophy of science. He is the author of three books, *Science, Perception and Reality*, *Science and Metaphysics*, and *Philosophical Perspectives*.

The Dotterer Lecture Series was established in the Department of Philosophy to honor the late Prof. Ray Dotterer who served as head of the department from 1938 until his retirement in 1947.

Calendar news due

Information for the summer term calendar, which will appear in the June 8 edition of INTERCOM, should be sent by May 18 to Lee Morrill, calendar editor, Room 312 Old Main, 865-2501.

Recent digs in China, Afghanistan to be described

Dr. Louis Dupree, adjunct professor of anthropology at the University, will give an illustrated lecture on "Recent Archaeological Discoveries in Afghanistan and China" at 8 p.m. tonight (Thursday) in Room 258 Willard Bldg.

The talk will be sponsored by the Central Pennsylvania Society of the Archaeological Institute of America and the Department of Art History.

Dr. Dupree is a member of the American Universities field staff and has excavated at many sites in Afghanistan. He has just returned from a tour of China.

McKinnon named housing, food head

William H. McKinnon, assistant director of University housing at the University of Wisconsin, has been named assistant vice-president for housing and food service operations at Penn State, effective June 5.

He will succeed Otto E. Mueller, who plans to retire July 21 after 25 years at the University.

Mr. McKinnon, a 1959 graduate of Stout State University at Menomonie, Wis., has a master's degree in business administration from SUNY-Albany. He has been at Wisconsin since 1968.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since a number of these questions are of general interest to the University community, we are running them and the answers in INTERCOM.

QUESTION

Why is no system of merit available for individuals with long tenure and excellent service in fixed clerical grades?

ANSWER:

The salary plan for clerical employees of The Pennsylvania State University does provide for both long service and merit increases. During learning periods, employees may receive periodic increases, and for the first two years of service the employee receives an anniversary increase based on continued satisfactory service. Also, the plan provides for two additional increases which may be granted on a biannual basis to those employees whose work performance "is determined to be outstanding and the appraisal qualifies the employee for a merit increase."

In addition, historically, each July 1 when pay increases have been granted, the entire clerical salary structure has been increased. Therefore, clerical employees at the top of the ranges have received increases comparable to those received by other classifications of employees.

Ray T. Fortunato
Assistant Vice President for Personnel Administration

Arnold to present first Carroll C. Arnold lecture

Dr. Carroll C. Arnold, professor emeritus of speech communication, will deliver the first Carroll C. Arnold Lecture at 2:30 p.m. Friday, May 12 in Kern auditorium. The lecture has been established by the Department of Speech Communication.

Nationally known for his work in rhetorical criticism and the history of rhetoric, Dr. Arnold will speak on "Levels of Rhetorical Understanding." He is currently serving as Distinguished Visiting Professor of Speech Communication at the University of Delaware.

Choirs, Symphony join forces May 13

For their 30th anniversary spring concert, the University Choirs will be joined by the Penn State Symphony Orchestra in performance at 8:30 p.m. Saturday, May 13 in Eisenhower Auditorium.

Two major works will make up the program. They are *Schicksal* by Johannes Brahms and *Carmina Burana* by Carl Orff. Tickets are on sale at \$3 at the auditorium box office.

Glee Club to offer Mother's Day concert

The Penn State Glee Club's final performance of the 1977-78 season will be a Mother's Day concert at 3 p.m. Sunday, May 14 in Eisenhower Auditorium.

Senate

(Continued from page 1)

Edward D. Eddy commented, "The report bids to do something we need to do badly and that is to say what an educated person is."

The main feature of the debate was the number of credits allotted to natural sciences.

Prior to the Senate's approval of Dr. Miller's amendment to increase the natural science requirement from six to nine credits, a number of Senators argued in favor of the amendment.

Dr. Roger M. Herman, professor of physics, said, "It's not the scientist who will be hurt (by the six credit requirement). It's the non-scientist who won't be able to communicate with the scientist."

The Senate approved the plan for implementation of the BDR report. The plan recommends that a standing subcommittee of the Senate Curricular Affairs Committee be appointed to work with the Provost in implementing the requirements.

There are four specific conditions of implementation. First, pass-fail courses cannot be used to satisfy baccalaureate degree requirements; second, when a student changes major, the courses taken under his or her old major to satisfy the 27 credit "distribution or breadth"

requirement will be accepted by the student's new department; third, each major will identify the 46 credits required for the general education section of its degree requirements and will prepare them for publication in the undergraduate catalog; fourth, departments and programs are to submit plans for meeting the requirements by May 1, 1979. Plans are submitted through each College and given to the standing subcommittee of the Curricular Affairs Committee.

In other action, the Senate passed legislation establishing guidelines to ensure that when the findings of tenure review bodies differ, consultation take place among and within the review bodies. The legislation alters a portion of PS-23 entitled "Review Procedures" to read:

"Whenever one review level reaches an initial decision which diverges from a tenure recommendation it has received, an effort shall be made to clarify the reasons for the divergence. Consultations for this purpose shall be conducted by representatives of the reviewing levels concerned. Reviews shall be carried out, therefore, so as to assure that divergences in final tenure recommendations between levels will reflect genuine differences in evaluation rather than misunderstanding of the record."

The Senate also approved a revision in academic drop rules. The revision provides that a student dropped for poor scholarship may apply to take courses as a non-degree student to improve his or her grade point average in order to apply for reinstatement. However the student may not register as a non-degree student for at least one term (not counting summer term) after he or she was dropped. Once the student has non-degree status, he or she may take only six credits per term except at Capitol Campus, where courses are normally four credits each. There the student may register for eight credits. The rule applies to students dropped as degree or provisional students from this or any other university.

The report of the Nominating Committee for 1978-79 Senate officers was approved without change. There were no nominations from the floor. The list of nominees was published in the April 27 issue of INTERCOM.

Staff Vacancies

In accordance with the University's guidelines, employees in need of the current hiring restrictions, the following positions have been determined to be necessary in order to maintain essential services for the University. Hiring has also been authorized for positions in these areas. Positions are involved, i.e., positions funded completely by research grants and contracts, and those financed entirely by auxiliary enterprise funds.

Consequently, the position vacancies listed below have been exempted from the current hiring restrictions. All employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these positions will be received until 5 p.m. May 14. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COUNSELOR, STUDENT AFFAIRS — Delaware County Campus Responsible to the Dean of Student Affairs for conducting personal, educational, career and placement counseling programs. Assists with Summer Counseling and Orientation. Assists with work of the other Student Affairs and Campus divisions assigned by the Dean of Student Affairs. Master's degree in clinical or counseling psychology, counselor education, or equivalent training, plus a minimum of two years of applicable professional experience in educational/counseling or related experience.

ASSISTANT TO THE HOSPITAL DIRECTOR, COLLEGE OF MEDICINE — HERSHEY Responsible to the Hospital Director for coordinating and assisting in the development of hospital programs, planning, and short-range planning, management indicators, training and development, patient relations, and other programs as assigned. Master's degree in hospital administration or planning, or equivalent, plus two to three years of directly related experience in the health care or related industry.

PRODUCER/HOST, COLLEGE OF AGRICULTURE — University Park Produce and host "Farm, Home and Garden" television daily and weekly broadcast on the Pennsylvania Public Television Network, and produce and host "Home and Garden" radio series. Create and produce radio and television news spots, promotion announcements, etc. Teach radio and television broadcasting in workshops, seminars, etc. Responsible for planning, writing, reviewing and editing program copy materials in cooperation with extension specialists, faculty and others. Prepare feature news releases. Bachelor's degree (or equivalent) in broadcast, speech, journalism, mass communications or similar discipline, plus one to two years of effective experience in radio and/or television performing, producing, programming, or teaching that have a relationship to Cooperative Extension Service objectives, philosophy and public service. Master's degree highly desirable.

PROGRAMMER/ANALYST A, COLLEGE OF AGRICULTURE, Administrative Services — University Park Confer with research project personnel to determine the objectives of the study, anticipated results, degree of confidentiality and use of project data. Assist researchers in the design of survey forms. Perform analysis possible and time requirements. Develop new computer programs and upgrade, maintain and adapt existing programs to solve general and specific research problems at the Computer Center and other installations; plan logical steps to solution of problem, use of computer system components, input and output data formats and translate plans into computer instructions. Advise and assist researchers in efficient execution and the debugging of programs written by researchers themselves and in the utilization of library programs and peripheral equipment. A bachelor's degree with a major in mathematics, statistics or computer science and from two to four years of effective experience is required. Course work in algebra, number analysis, statistics, computer languages and systems programming are particularly desirable.

PROCEDURES SPECIALIST — Controller's Office — University Park Responsible to Senior Procedures Specialist in the Systems and Procedures Department. Develop and manage systems analysis, systems analysis, procedures preparation and form design and control, plus maintenance of the University Policy Manual and General Forms Usage Guide. Bachelor's degree in business administration and/or years of directly related experience. Accounting background desirable.

SOLID STATE DEVICE ENGINEER, COLLEGE OF ENGINEERING — University Park Provide technical support for ongoing research in solid state device and circuits. Design and fabricate solid state devices and develop advanced techniques, initiate experiments with materials. Responsible for operation and improvement of complex optical-electric systems. Assist in preparation of proposals and presentation of reports, papers, and publications. Maintain liaison with industry and up-to-date knowledge of literature and developments in applicable fields. M.S. in engineering or physics, or its equivalent, and at least two years' directly related experience in solid state research and development which includes various aspects of device technology.

Penn State Intercom



It's a bird, it's a plane — it's two new options in air service

On a recent rainy Friday night a University administrator arrived in Pittsburgh (from New York) by air to find that Midstate was closed and Allegheny would not be flying. But instead of the usual options — a three-hour drive to State College or a night at the Pittsburgh airport hotel — he boarded a commuter plane, flew directly to University Park, and was home by 10 p.m.

His flight was the result of the new service initiated within the past two weeks by two commuter airlines — Air Atlantic and Trans Penn — both operating out of University Park.

Air Atlantic, the older of the two lines, has been in business at Penns Cave Airport since 1969, according to its president, Russ Schleiden.

Air Atlantic's Schedule

Philadelphia	
Depart University Park	7 a.m.
Arrive Philadelphia	8:20 a.m.
Depart University Park	4:30 p.m.
Arrive Philadelphia	5:50 p.m.
Depart Philadelphia	9 a.m.
Arrive University Park	10:20 a.m.
Depart Philadelphia	6:30 p.m.
Arrive University Park	7:50 p.m.

Trans Penn's Schedule

Pittsburgh	
Depart University Park	6:35 a.m.
Arrive Pittsburgh	7:30 a.m.
Depart University Park	12:15 p.m.
Arrive Pittsburgh	1:10 p.m.
Depart University Park	7:30 p.m.
Arrive Pittsburgh	8:25 p.m.
Depart Pittsburgh	8:35 a.m.
Arrive University Park	9:45 a.m.
Depart Pittsburgh	1:35 p.m.
Arrive University Park	2:25 p.m.
Depart Pittsburgh	9 p.m.
Arrive University Park	9:50 p.m.
Baltimore	
Depart University Park	9:55 a.m.
Arrive Baltimore	10:45 a.m.
Depart University Park	3:35 p.m.
Arrive Baltimore	4:25 p.m.
Depart Baltimore	11 a.m.
Arrive University Park	12:05 p.m.
Depart Baltimore	5 p.m.
Arrive University Park	5:50 p.m.

Starting with one single engine plane, it branched out from charter flights to carrying freight and now has 13 aircraft and 16 employees.

Mr. Schleiden, who took his own first flight in 1962 as a member of Penn State's football team, is a former Air Force pilot. His company also operates out of Midstate, where it takes over the terminal building management in 1975.

Air Atlantic's primary aircraft is an eight-passenger Navajo Chieftain, which carries a pilot and co-pilot as crew.

Eastbound passengers can make connections to John F. Kennedy Airport through ALTAIR in Philadelphia — the 7 a.m. flight out of University Park connects with ALTAIR's 9:10 a.m. flight to JFK, arriving at 10 a.m.

Air Atlantic also offers daily over-the-counter freight service to Philadelphia.

"We are trying to provide first-class service," Mr. Schleiden says, and interviews with two recent Air Atlantic passengers confirm his claims. Both found the plane — which is new — comfortable and the service excellent.

Trans Penn, a smaller line, is offering daily service out of University Park to Pittsburgh and Baltimore for passengers travelling outside the Commonwealth. It, too, flies Navajos and has two separate two-man crews. Freight service is also available.

According to Trans Penn president Richard Lambert, local transportation studies have shown that the completion ratio for commuter aircraft at University Park is equal to or greater than that at Midstate.

This is under the present VORDME approach, a non-precision, instrument approach system, which brings an aircraft over the airport — from that point, the pilot must visually select the runway on which to land.

An Instrument Landing System is currently being installed and is scheduled to become operative by late summer or early fall. When the federally funded project is completed, pilots approaching University Park will be lined up directly with the runway on which they will land.

"Currently," Mr. Lambert notes, "the chances of a flight being cancelled are slim. However, if University Park is closed, we can usually land at Millifin County Airport and will then take our passengers to State College or Bellefonte

(Continued on page 4)

News in Brief

6,522 to graduate

With more than 4,775 graduates scheduled to receive degrees at the University Park Campus on Saturday, May 27, five commencement exercises will be held. Three are scheduled for 10:30 a.m. and two for 1:30 p.m.

The multiple programs, which will provide adequate seating for all guests, are necessary because Beaver Stadium, where spring term exercises traditionally are held, is not available. Construction to enlarge the capacity of the stadium is in progress.

In addition to the 4,779 candidates for degrees at University Park, there are 1,743 graduates at other Campuses across the State, bringing to 6,522 the total number scheduled to receive degrees at the close of the term. There are 4,814 candidates for the baccalaureate degree, 1,173 to receive an associate degree for completion of two-year programs, and 535 listed for advanced degrees.

Because of the multiple programs, there will be no visiting speaker. William K. Ulenich, of Clearfield, as president of the Board of Trustees, will join President John W. Oswald in conferring the degrees at the exercises at 10:30 a.m. in Recreation Bldg.

Commencement Exercises

- 10:30 a.m.
Recreation Bldg.: Business Administration, Education, Human Development
- Eisenhower Auditorium: Agriculture, Arts and Architecture, Earth and Mineral Sciences.
- HUB: Graduate School
- 1:30 p.m.
Recreation Bldg.: Engineering, Science, Health, Physical Education and Recreation
- Eisenhower Auditorium: Liberal Arts

HUB parking lot to be closed May 25

The HUB parking lot, Brown F, will be closed to faculty, staff and visitors Thursday, May 25 to accommodate the Delegate Election of Trustees. Faculty and staff members with Brown F parking stickers should park in a designated open faculty-staff area in accordance with University parking regulations. The closest open areas are Blue D at the Milton S. Eisenhower Auditorium, and Blue F and Blue G at Pollock and South Halls.

Next INTERCOM June 8

INTERCOM will not be published between terms. The next issue, which will appear June 8, will carry the summer term calendar. Information for the calendar should be sent in no later than May 19 to Lee Mornill, calendar editor, Room 312 Old Main, 865-2501.

PI office wins 4 awards in CASE competition

Penn State's Office of Public Information and Relations has won four awards, including the top one in public relations, in national competition sponsored by the Council for the Advancement and

Senate to hear informational reports June 6

The University Faculty Senate will hear a number of informational reports and will be asked to act on several legislative items at the Tuesday, June 6 meeting. The complete agenda was not available at press time, but the Senate Office indicated that the legislative reports would include a number of recommendations by the Committee on Committees and Rules.

The suitability of course numbers will be the subject of recommendations from the Curricular Affairs Committee. The Faculty Affairs Committee is also expected to present several recommendations relating to PS-25.

The Intra-University Relations Committee will propose legislation on delegation of responsibilities, and the Senate will be asked to act on a request for delegation of responsibilities to Berks Campus. The Committee on Undergraduate Instruction will propose a change in class attendance rules.

Annual informational reports from standing committees will include the report of the Senate Committee on Academic and Athletic Standards. A report by the Student Affairs, Awards, and Scholarships Committee will also be presented. The Committee on Undergraduate Instruction will present its annual report on the activities of the Division of Undergraduate Studies and the Division of Institutional Services.

The Senate will also hear the report of the Special Joint Administrative Senate Committee on Insurance, as well as a progress report on a study being conducted on part-time faculty of the University.

The results of the balloting for 1978-79 Senate officers will also be announced.

Support of Education (CASE).

In competition involving total public relations programs, Penn State won the grand award of \$500 for its PR approaches in support of University objectives.

Public Information also received: — The grand award for its news and public service announcements on black awareness, which were produced for radio stations throughout Pennsylvania and other states.

— The special programs merit award in the volunteer category for assisting with the cleanup of Johnstown following last July's flood; and

— A citation, in the special public relations problems category, for its publicity programs involving black faculty, staff and students during 1977.

Arthur Ciervo, director of public information and relations, will accept the awards on behalf of all members of his staff at CASE's national Assembly in July in Hollywood, Fla.

Pattee assignments for study space to be made May 30

Members of the faculty who wish to obtain faculty study space assignments in Pattee Library for the summer term should note that the assignments will be made on a first-come, first served basis Tuesday,

(Continued on page 4)

Penn Staters

Dr. Jeffrey A. Kurland, assistant professor of anthropology, has presented lectures during this academic year at the University of California at Berkeley, the University of California at Davis, the University of California at Riverside, Bloomsburg State College, The CUNY Graduate Center, Rutgers University at New Brunswick, SUNY at Buffalo, and Tarrant County Junior College at Fort Worth. His talks were based on his research on human and nonhuman sociobiology.

Robert Trehy, professor of music and a Fellow of the Institute for the Arts and Humanistic Studies, recently performed leading roles with the Opera Company of Boston under the direction of Sara Caldwell. Mr. Trehy, a baritone, appeared as the "Stranger" in the Lukas Foss opera, *The Jumping Frog of Calaveras County*, in productions at the Kennedy Center in Washington, D.C., on April 26 and 27 and the Boettcher Auditorium in Denver on May 3 and 4. On April 29, Mr. Trehy performed a pops concert with the Hartford Symphony in Hartford.

Dr. Jean MacCluer, associate professor of biology, recently presented invited lectures at UCLA's Division of Medical Genetics and at the Columbia University College of Physicians and Surgeons, New York.

Dr. Joseph J. Villafranca, associate professor of chemistry, has been honored with the 1978 C. I. Noll Award for excellence in undergraduate teaching in the College of Science.

A member of the Penn State faculty since 1971, Dr. Villafranca has taught courses in freshman chemistry, sophomore organic chemistry, senior level advanced organic and inorganic laboratories and graduate level physical organic mechanisms. His research interests include cellular regulation at the enzyme level; biological approaches to enzyme mechanisms and structure using magnetic resonance techniques; and isotopic labeling experiments.

A graduate of the State University of New York at Fredonia, he earned the Ph.D. degree at Purdue University, where he received the Alfred K. Balls Research Award. Prior to joining the University faculty, he was a postdoctoral fellow at the Institute of Cancer Research in Philadelphia.

The Noll Award is named in honor of Dr. C. I. Noll, professor emeritus of chemistry and former dean of the College of Science.

Dr. Winfred M. Phillips, associate professor of aerospace engineering and director of the University's artificial heart engineering effort, presented an invited lecture May 9 to the bio-medical section of the New York Academy of Medicine. Dr. Phillips' talk, "Deformability of Red Blood Cells," was a report on work he did last year at the Institut de Pathologie Cellulaire in Paris, while on leave from the University.

Wilma R. Ebbitt, professor of English, is co-author of *Writer's Guide and Index to English*, sixth edition, a text for college composition courses recently published by Scott, Foresman.

The text combines a comprehensive rhetoric with a reference-handbook made up of articles, alphabetically arranged, on matters of syntax, usage, and mechanics that plague experienced as well as inexperienced writers. Sources of illustrative materials range from such popular magazines as *Newsweek* and *Sports Illustrated* to the *New York Review of Books* and scholarly journals; both parts of the book draw freely on student prose.



Prof. Johnstone



Prof. Baker

Dr. Henry W. Johnstone, professor of philosophy, is observing his 25th year of service to the University.

A graduate of Haverford College with a B.A. in philosophy, he served in the U.S. Army for three and a half years during World War II, and then went to Harvard, where he earned an M.A. and Ph.D. in philosophy.

For four years, he was on the faculty of Williams College in Williamstown, Mass., and came to Penn State in 1952 as an instructor in philosophy. He was later promoted to assistant and then to associate professor, and in 1961 was named professor of philosophy.

Dr. Johnstone has been acting chairman of his department on two occasions, once in 1961-62 and again in 1974-75. During the 1960-61 academic year, he was a Fulbright Lecturer at Trinity College in Dublin, Ireland, and before that, he had a fellowship in Belgium under the auspices of the Belgian/American Educational Foundation. In 1969, he was a visiting professor at the University of Bonn in Germany, and in 1971-72, he was again a Fulbright Lecturer, this time at the American University of Beirut.

Editor for eight years of the journal, *Philosophy and Rhetoric*, he has published six books and more than 100 articles and reviews.

Dr. Johnstone was an assistant to the vice president for research and graduate studies from 1966 to 1970, and was director of the Institute for the Arts and Humanistic Studies from 1968 to 1970. He is currently doubling as a part-time graduate student in the University's Department of Classics, working on an M.A. in Greek.

Gordon L. Baker, associate professor of physics at The Behrend College, is marking his 25th year of service to the University.

A native of Sioux Falls, S.D., Prof. Baker received his B.A. from the University of South Dakota, Vermillion, in mathematics, physics and meteorology. After serving in the Army Air Force as a meteorologist in the Pacific during World War II, he received his M.A. in physics from Washington University in St. Louis.

Mr. Baker was hired as an instructor of physics at the four-year-old Behrend "Center" in 1952, and became an assistant

professor in 1956. He was appointed to his present rank in 1963. In his 25 years at Behrend, Prof. Baker has taught physics, mathematics, meteorology and physical science courses.

Murray S. Martin, associate dean of libraries, recently had a book, *Budgetary Control in Academic Libraries*, published by JAI Press, Inc., of Greenwich, Connecticut. The book is Volume 5 in a series by JAI Press, Inc., on Foundations in Library and Information Science. Dean Martin's work is concerned with fiscal management and the varied facets of budgeting, including requests, control, analysis, priorities, monitoring finances and coping with change.

Dr. Stephen F. Jablonsky, assistant professor of accounting and public administration, and **Dr. Max Richards**, professor of management, were honored by the Master of Business Administration Association at an awards banquet May 16. The M.B.A. Association presented the 1977-78 Excellence in Teaching Award to the two men, who were chosen to receive the honor based on evaluations of instructors conducted by the M.B.A. Association at the end of each term.

Dr. Thomas E. Long, associate professor of vocational education, has been named to the committee planning the Conrail Adult Railroad Training Center to be built and operated in Altoona. Dr. Long serves as a representative of higher education to the committee. National legislators, regional and county officials, Conrail officials, industrial and business representatives and secondary school educators also serve on the committee.

Henry J. Hermanowicz, dean of the College of Education, served as the keynote speaker for a one-day conference on April 28 at Teachers College, Columbia University, in honor of Dr. Margaret Lindsey upon her retirement from Columbia University. Dr. Lindsey, a native of Pennsylvania, had earned her master's degree at Penn State and she was selected as a Penn State Alumni Fellow in 1977. Upon her retirement from Columbia University, Dr. Lindsey will become Distinguished Professor of Education at the University of Florida.

Computer Programming Workshop offered

The Computation Center will offer a five-day programming workshop during the break between spring and summer terms. The workshop will be held on Wednesday, Thursday and Friday, May 31, June 1 and 2, and on Monday and Tuesday, June 5 and 6. It is open to all faculty, staff and graduate students.

Basic computer concepts and techniques of programming in the FORTRAN IV Language will be studied. The workshop is oriented toward those who have had no previous computer experience.

Lectures will be given in Room 112 Buckhout Laboratory throughout each day, beginning at 9 a.m. and resuming at 1:30 p.m. after a lunch break. Sample programs will be studied and practice problems will be assigned throughout the five-day period. In order to gain the maximum benefit, participants should plan to devote the entire five days to a workshop.

Registrations will be accepted by Pauleta Cowen, Room 229 Computer Bldg. (863-0422) beginning immediately. A charge of \$3 (cash or interdepartmental transfer) for course materials will be made for each registrant. Computer charges will be born by the Computation Center, and participants can use the computer for practice purposes free of charge throughout the summer term.

Calendar

May 18-27

Special Events

Thursday, May 18
Shakespeare film, *King Lear* (Brook/Scofield), 6:30 p.m., Room 101 Chambers.
Alard String Quartet, part of Art/Science Interface end-of-term program, 7 p.m., Ice Pavilion.

Friday, May 19
Early registration for summer term, 8:30 a.m.-4:30 p.m., Room 112 Shields, through Wednesday, May 24.

Sports: men's track, Penn State Open; Medieval Studies, Society for Creative Anachronisms, Medieval Combat Demonstration, 7 p.m., HUB lawn. Rain place: HUB ballroom. Shaver's Creek Nature Center, Ghoules and Beasts and Things that Go Bump in the Night, 8 p.m., Stone Valley.
Karen Keating, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 20
Last day for signing spring term Emergency Loans, Room 108 Shields.
Shaver's Creek Nature Center, Early Morning Bird Walk, 8:30 a.m.; Spring Wildflower Walk, 2 p.m., Stone Valley.
Eco-Action Recycling, 10 a.m.-3 p.m., Parking Lot 83 and Bousberg Fire Hall.
Spring term classes end.

Sunday, May 21
Final examinations.
Shaver's Creek Nature Center, History in the Rocks, 2 p.m., Stone Valley.
Opening Reception for Cindy Stan, printmaking, and Diane Tetrauhl, ceramics, 3-5 p.m., Zoller Gallery.

Monday, May 22
Final examinations.

Tuesday, May 23
Final examinations.
ARI Lecture, Elton Adewale, political science, on "The Rhodesian Question," 10:45 a.m., Walker conference room, Applied Science Bldg.
Soccer Clinic, 6:30-8:30 p.m., Jeffrey Field.
Marinho Vusto Queiroz and Luiz Jose Caldas Franca, Brazilian coaches, will conduct.

Wednesday, May 24
Final examinations.

Thursday, May 25
Board of Trustees meeting, Room 402 Keller.
Applied Research Lab, Edward L. Titelman, University of Rochester, on "Applications of Wide Band Signal Processing," 10:45 a.m., Walker conference room, Applied Science Bldg.

Friday, May 26
Board of Trustees meeting, Room 402 Keller.

Saturday, May 27
Commencement. Colleges of Business Administration, Education, Human Development, 10:30 a.m., Rec. Bldg. Colleges of Agriculture, Arts and Architecture, Earth and Mineral Sciences, and Agriculture Business Associates, 10:30 a.m., Eisenhower Auditorium. Graduate School, 10:30 a.m., HUB ballroom. Colleges of Engineering, Health, Physical Education and Recreation; Science, 1:30 p.m., Rec. Bldg. College of the Liberal Arts and I.A.S.-Associates, 1:30 p.m., Eisenhower Auditorium.
Old Main Tower open, 9 a.m.-4 p.m.

Exhibits

Chambers Gallery: art education undergraduate student exhibition, through May 19.

Kern Commons Gallery: Michael Pascani sculpture and drawings, through May 27.

Museum of Art: Goya prints and drawings, through May 28; Robert Kulicke, painter, designer, craftsman; American paintings from the Permanent Collection; Jerome Wilkins' *Painter's Crossing*.

Patter, Lending Services: Ingrid Putsch, prints and drawings, through May 26.

Zoller Gallery: End of Year Student Show, through May 19; Graduate Thesis Exhibition by Cindy Stan, prints, and Diane Tetrauhl, ceramics, May 21-26.

A Senate Report on Freshman Admissions

Editor's note: The following charts were submitted to the Senate by its Committee on Admissions, Records and Scheduling, which is monitoring the academic consequences of admissions policies and procedures. This is only the first installment in an on-going study, the committee emphasizes. Material collected on associate degree admissions will appear in a later issue of INTERCOM.

LOCATION	PAID ACCEPTS				OFFERED ADMISSION				NOT OFFERED ADMISSION			
	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH
Agriculture	191	3.40	515	549	295	3.44	503	557	227	2.60	418	476
Arts & Arch.	222	3.27	504	543	384	3.33	511	551	386	2.67	423	503
Business Admin.	234	3.42	489	562	423	3.45	499	568	521	2.78	436	519
Education	311	3.38	485	515	338	3.43	484	512	187	2.67	417	463
Engineering	545	3.58	510	618	1040	3.54	523	627	671	2.81	443	538
Health, Physical Education & Recreation	57	3.14	444	479	100	3.22	455	497	160	2.64	381	427
Human Development	188	3.26	466	503	239	3.36	475	508	255	2.62	401	431
Liberal Arts	733	3.28	503	514	1547	3.34	513	528	609	2.80	439	469
Earth & Mineral Science	104	3.49	514	586	155	3.51	521	597	63	2.73	443	517
Science	695	3.46	504	577	1581	3.49	515	584	378	2.87	453	531

Academic profiles, U.P. applicants, fall 1977.

LOCATION	PAID ACCEPTS				OFFERED ADMISSION				NOT OFFERED ADMISSION			
	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH
Altoona	475	2.97	447	502	910	2.98	457	507	93	2.21	371	408
Allentown	158	2.52	453	541	378	2.92	459	537	40	2.01	382	432
Behrend College	516	2.97	447	503	1007	2.98	450	505	146	2.13	336	397
Berk	283	2.93	457	529	449	2.94	461	521	68	1.96	374	408
Beaver	369	2.98	438	494	614	2.99	438	499	96	2.04	354	388
Delaware County	452	2.77	450	490	1002	2.81	455	501	142	1.98	371	420
DuBois	131	2.94	448	502	287	2.95	446	499	26	1.88	370	422
Fayette	163	3.02	434	484	242	3.04	440	491	27	2.01	333	380
Hazleton	355	3.01	452	507	605	3.01	453	505	82	2.05	368	400
Mont Alto	282	2.88	451	504	479	2.92	458	506	51	2.05	377	431
McKeesport	464	2.93	432	493	883	2.96	439	507	125	2.03	349	396
New Kensington	257	2.99	446	503	461	3.00	446	508	54	2.08	364	406
Opotz	242	2.86	437	480	1484	2.91	444	492	323	2.10	370	401
Schuylkill	156	3.02	475	501	264	3.03	463	495	47	1.95	353	399
Worthington-Scranton	337	2.91	423	473	404	2.97	432	484	124	1.94	356	401
Shenango Valley	355	3.07	453	506	233	3.05	450	503	25	2.06	345	380
Wilkes-Barre	324	2.98	439	493	273	2.98	442	498	39	1.83	361	406
York	467	2.96	462	527	586	2.93	463	527	66	2.13	390	437
University Park	332	3.37	500	554	1257	3.42	510	563	3454	2.67	426	490

Academic profiles, applicants, all locations, fall 1977.

College	1967				1971				1975			
	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH
Agriculture	152	2.94	517	575	162	3.04	515	572	229	3.42	518	563
Arts and Arch.	120	3.07	558	586	138	3.11	548	578	195	3.38	508	560
Business Administration	226	2.92	525	607	196	3.04	500	593	226	3.67	481	558
Education	184	3.31	569	594	247	3.06	487	507	348	3.39	478	514
Engineering	580	3.10	544	633	384	3.21	537	636	584	3.42	508	615
Health, Physical Education & Recreation	33	2.87	515	539	62	2.74	462	487	83	3.20	433	513
Human Development	118	3.03	520	556	182	3.01	508	516	143	3.24	468	509
Liberal Arts	723	3.17	589	590	869	3.10	556	564	634	3.32	513	533
Earth and Mineral Science	94	3.25	555	623	81	3.35	586	628	128	3.68	513	610
Science	415	3.20	572	643	571	3.30	564	673	845	3.45	572	592
DDS	71	2.94	535	582	130	2.68	467	499	162	3.16	483	523

Sample academic profiles, baccalaureate degree freshman admits, U.P.

Location	1967				1971				1975			
	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH	N	N.S. AVG.	SAT VERB.	SAT MATH
Altoona	368	2.88	489	521	497	2.85	482	523	601	2.95	442	496
Allentown	238	2.84	503	544	37	2.50	469	503	136	2.87	453	528
Behrend	49	2.64	501	587	205	2.66	483	529	273	2.86	464	516
Berk	169	2.81	468	525	331	2.81	466	516	419	2.86	440	500
Beaver	193	2.59	469	503	332	2.63	472	499	438	2.76	455	493
Delaware County	184	2.70	481	529	154	2.82	488	532	182	2.90	462	511
DuBois	168	2.86	481	509	210	2.84	453	493	195	2.93	425	474
Fayette	189	2.73	466	521	418	2.78	471	513	353	2.91	453	487
Hazleton	184	2.84	486	514	270	2.64	475	516	308	2.81	457	508
Mont Alto	129	2.79	490	544	419	2.76	467	511	498	2.89	432	494
McKeesport	188	2.65	472	518	254	2.83	471	527	318	2.92	448	517
New Kensington	197	2.72	480	510	448	2.85	480	506	747	2.95	439	484
Opotz	222	2.85	484	517	281	2.80	466	493	206	2.97	449	499
Schuylkill	175	2.80	475	500	249	2.88	468	493	249	2.98	448	493
Worthington-Scranton	58	2.63	473	526	166	2.77	480	528	183	2.98	444	512
Shenango Valley	2683	3.13	540	607	312	3.12	536	576	3188	3.38	503	566
University Park	181	2.72	481	518	29	2.63	481	518	152	2.90	449	490
Wilkes-Barre	37	2.79	484	593	183	2.72	488	538	267	2.90	466	519

Sample academic profiles, baccalaureate degree freshman admits, all locations.

(Continued on page 4)

Penn State Intercom

University faculty promotions announced

The following promotions, effective July 1, have been announced by the University:

TO PROFESSOR:

Ronald F. Abler, geography
Richard A. Anthes, meteorology
Sidney E. Barnard, food science
Michael H. Begnal, English
Charles A. Cole, engineering, Capitol Campus
Sabir H. Dahir, engineering, Capitol Campus
Ronald P. Danner, chemical engineering
Rosa G. de Pena, meteorology
William J. Duker III, East Asian history
Robert J. Eberhart, veterinary science
James Eisenstein, political science
F. Thomas Farrell, mathematics
Robert H. Farson, journalism
Burt L. Fennner, music
Stephen J. Fonash, engineering sciences
Harold L. Gilmore, management, Capitol Campus
Carl W. Haeseler, pomology
Richard H. Herman, mathematics
Thomas P. Hettmansperger, statistics
Peter C. Jurs, chemistry
Marshall H. Kaplan, aerospace engineering
Donald Bonney Keat II, education
John W. Kreider, pathology, Hershey
Manfred Kroger, food science
Richard E. Llorens, engineering mechanics, King of Prussia
Michael J. Mahoney, psychology
Stephen H. Miller, surgery, Hershey
John T. Neisworth, special education
Jon P. Nelson, economics
Hiroshi Ohmoto, geochemistry
Winfred M. Phillips, aerospace engineering
Rajna V. Raman, mining engineering
John A. Salvia, special education
Lee W. Saperstein, mining engineering
Dennis W. Thomson, meteorology
Joanne Trautmann, humanities and English, liberal arts, Hershey
Cecil R. Trueblood, education
Barry Voight, geology

Rex H. Warland, rural sociology
David P. Wooldridge, biology, Ogontz
Arian Zarkower, veterinary science

TO ASSOCIATE PROFESSOR:

Joel H. Anderson, mathematics
Margaret M. Baltes, human development and nursing
Paul R. Blankenhorn, wood technology
Dennis F. Brestensky, English, Fayette College
Eric J. Braude, mathematics, Behrend College
Russell Brignano, English, Beaver
Robert L. Butterworth, political science
Michael M. Coleman, polymer science
Sam M. Cordes, agricultural economics
Roger N. Cornish, theatre arts
Michael C. Danahy, French
Carolyn R. Dexter, social science and sociology, Capitol Campus
Samuel J. DiRoberto, accounting, Ogontz
Peter B. Everett, man-environment relations
James L. Farr, psychology
A. Daniel Frankforter, history, Behrend College
Zvi Friedman, pediatrics, Hershey
Gregory L. Geoffrey, chemistry
Jonathan G. Goldstein, computer science
Thomas A. Hale, French and comparative literature
William Park Hanson, art
George R. Himmer Jr., history, York
Craig R. Humphrey, sociology
Frederick J. Humphrey II, psychiatry, Hershey
Drew W. Hyman, community development
Richard W. Hyman, microbiology, Hershey
William G. Irons, anthropology
Ronald G. Johnson, physics, Delaware County
Nicholas A. Joukovsky, English
William S. Kammerer, medicine, Hershey
Roger L. Ladda, pediatrics, Hershey
Alphonse E. Leure-duPree, anatomy, Hershey
David R. MacKenzie, plant pathology

William E. Mattis Jr., engineering, Delaware County
Alexander McPherson Jr., biochemistry, Hershey
Kenneth H. Messner, surgery, Hershey
Arthur C. Miller, civil engineering
James H. Mortensen, agricultural education
Barry L. Myers, business law
Gordon K. Nelson, human development, Schuylkill
Wesley A. Olsen, physical education, Ogontz
Arthur H. Patterson, man-environment relations
Eva J. Pell, plant pathology
Lawrence J. Piliene, physics, Altoona
Stephen Porter, art
D. Eugene Rannels, physiology, Hershey
Richard J. Ravizza, psychology
Raymond W. Regan, civil engineering
Edgar J. Sanford, surgery, Hershey
Anton C. Schoolwerth, medicine, Hershey
Linda D. Schoop, educational psychology, New Kensington
Laura S. Sims, nutrition in public health
Steven H. Smith, music
Charles C. Snow, organizational behavior
Larry D. Spence, political science
Darrel J. Steffensmeier, sociology
William Thompson Jr., acoustical mechanics
Francis C. Turner, agricultural extension
Robert C. Vannucci, pediatrics, Hershey
William J. White, comparative medicine, Hershey
Sherry L. Willis, early child education
Ian S. Zagon, anatomy, Hershey

TO ASSOCIATE LIBRARIAN:

Richard J. Fitzsimmons, Worthington
Scranton
Miriam D. Pierce, Life Sciences
Robert S. Seeds, Life Sciences

TO ASSISTANT PROFESSOR:

James O. Ballard, medicine, Hershey
Gordon S. Bergsten, economics
Thomas M. Caccese, physical education, Hazleton

Douglas Chervanek, family and community medicine, Hershey
Richard C. Cordis, architecture
Daniel L. Doran, physical education, Delaware County
Mark H. Dorfman, American studies and history, Capitol Campus
Jerry L. Goodrich, industrial engineering
Larry Grossman, anaesthesia, Hershey
John W. Harman Jr., engineering, Capitol Campus
Glen H. Helman, philosophy
R. Dorn Hetzel, theatre arts
Robert King, mining engineering
Joan Long, pharmacology, Hershey
Joseph J. Manak, engineering, Beaver
Kenneth E. McIlvried, computer science, DuBois
Daniel A. Montgomery, landscape architecture
Judith L. Myers, recreation and parks
Overda A. Page, music
Gerald Potter, recreation and parks
Iris J. Prager-Decker, physical education, Capitol Campus
Patricia Rizzolo, English, Ogontz
Kathleen Rose, pharmacology, Hershey
David Russell, family and community medicine, Hershey-Millersburg
John E. Siegel, family and community medicine, Hershey-Millersburg
Robert L. Stout, economics, Delaware County
Bernard E. Thorn, recreation and parks
Richard Zelinka, mgmt. development (Ind. Eng.), McKeesport
Arthur Zucker, humanities, Hershey

TO SENIOR ASSISTANT LIBRARIAN:

Beverly Feldman, Reference
Stuart J. Glogoff, Lending Services
Rosemary King, Cataloging
Deena J. Morganti, Berks
Ellen J. Siegel, Serials
Frederick Van Antwerp, Reference

TO RESEARCH ASSOCIATE:

Harold W. Harpster, animal science
Patricia L. Sanders, pesticides

News in Brief

Revised budget may be adopted in July

The interim budget for the 1978-79 fiscal year was approved by the Board of Trustees at its May meeting. This action permits the University to meet payroll and operating costs for the next fiscal year, prior to adoption of a final budget.

When the State appropriation is determined, trustees then will be able to adopt a revised budget for 1978-79, including adjustments for salary and wage increments. The hope is that this can be done at the trustee meeting in July.

The salary increases would then be reflected in the July pay checks.

Penn State's appropriation has been approved by the House and is now before the Senate, which is expected to act during June.

Behrend to host Joyce Colloquium

The Behrend College will be hosting a James Joyce Colloquium 1978: New Directions in Joyce Studies June 14-16. The colloquium will bring together some of the country's most noted Joyce scholars.

Dr. Archie K. Loss, associate professor of English and head of the Division of Arts and Humanities at Behrend, is the director of the colloquium, which will include the presentation of papers and panels on selected Joyce topics.

Dr. Michael Begnal, professor of English at University Park, is among those participating. His paper is titled "Eimegan's Wake and the Relevance of Plot."

Joyce Colloquia have been held for a number of years and now alternate with the international Joyce Symposia. The Colloquia are held in even-numbered years, the Symposia in odd. All participants in this colloquium have

published significant work on Joyce during the last five years.

Registration for the colloquium will be from noon to 5 p.m. on June 14. Further information is available by calling Dr. Loss at Behrend at 814-898-1511.

Publications data due from faculty

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans, or intercollege research unit directors.

Detailed instructions for the submission of these listings are given in a May 1 memo from Dr. R. G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty should send their listings to the department head at University Park, with an informal copy

(Continued on page 6)

McMurty, Franz, Cahir elected to Senate posts

Dr. George W. McMurty, professor of electrical engineering, is the new chairman-elect of the University Faculty Senate. Dr. George W. Franz, assistant professor of history at the Delaware County Campus, won the balloting for the position of secretary.

Senators also elected Dr. John H. Cahir, associate professor of meteorology, to the Faculty Advisory Committee. He will serve until 1981.

Dr. Lee W. Saperstein, section head and professor of mining engineering, is the 1978-79 Senate chairman.

A full report on the June 6 meeting will appear next week in INTERCOM. The text of Thomas E. Daubert's remarks to the Senate on the completion of his term as chairman appears on page 6.

Penn Staters

Dr. Helen A. Guthrie, professor of nutrition, has been selected to receive the 1978 Borden Award for her outstanding work in nutrition research and education. The \$1,000 award and a gold medal will be presented to Dr. Guthrie next month at the annual meeting of the American Home Economics Association in New Orleans.

Director of Penn State's Nutrition Information and Resource Center, Dr. Guthrie is one of the few nutritionists engaged in basic research who at the same time seeks ways of applying study results to the day-to-day nutrition needs and problems of the world's populations. Her most recent research has focused on developing methods to evaluate people's nutritional status and studying nutritional status as a predictor of nutritional risk.

Dr. Guthrie has a B.S. in home economics from the University of Western Ontario, her M.S. in nutrition and biochemistry from Michigan State, and a Ph.D. in physiology from the University of Hawaii. She is the author of two books, *Introductory Nutrition and Programmed Nutrition*. Dr. Guthrie has been president of the Society for Nutrition Education and serves on the Food and Nutrition Board of the National Research Council and the National Nutrition Consortium.

Floyd B. Fischer, vice president for Continuing Education, received the Julius M. Nolte Award, recognized generally as the highest national honor in the continuing education profession, at the recent annual meeting of the National University Extension Association in Indianapolis. The award is presented in recognition of unusual and extraordinary contributions to the cause of continuing education at the university level.

At the same meeting, **Dr. Robert Stefanak**, Earth and Mineral Sciences' associate dean for Continuing Education, was presented the Faculty Service Award. He was recognized for his efforts in combining teaching, research and continuing education functions.

Helmut J. Golatz, professor and head of labor studies, was one of four persons named by President Carter to membership on the National Advisory Council on Extension and Continuing Education. His term extends to June 30, 1980. The council advises the Secretary of Health, Education and Welfare and the Commissioner of Education.

Dr. Robert M. Smith, assistant provost and professor of special education, has been appointed dean of the College of Education of Virginia Polytechnic Institute and State University.

Dr. Smith earned his B.S. from the University of Maryland and his master's and D.Ed. degrees at the University of Illinois. Before coming to Penn State in 1967, he had held faculty positions at the Universities of Florida, Pittsburgh, and Delaware. He also served for a year as an American Council on Education Fellow in academic administration.

Dr. Smith has written eight books and numerous monographs and journal articles, principally on mental retardation and left palate rehabilitation. He is editor of the McGraw-Hill Series in Special Education and is a Fellow of the American Association on Mental Deficiency.

Dr. Arnulf Muan, professor of mineral sciences and associate dean for research in Earth and Mineral Sciences, recently received the American Ceramic Society's 1978 John Jeppson Award. The award recognizes distinguished scientific, technical or engineering achievements in ceramics.

Dr. T. M. Kando, associate professor of recreation and parks, presented a paper at this year's World Congress of Sociology in Uppsala, Sweden. His topic was "Cultural Action and Cultural Free Enterprise."



From left: Dr. Fagan, President Oswald, Dr. Keiper.

Dr. Edward R. Fagan, professor of education, and **Dr. Ronald R. Keiper**, associate professor of biology at Mont Alto, received the Christian R. and Mary F. Lindback Awards for Distinguished Teaching at spring term commencement. The awards consist of a plaque and a check for \$1,000.

Dr. Fagan holds B.S. and M.S. degrees from the University of Wisconsin and a D.Ed. in the teaching of English from Teachers College, Columbia University. He joined the Penn State faculty in 1962 after serving as associate professor of education at SUNY-Albany.

At Penn State, Dr. Fagan used modular course-content organization to provide prospective teachers with a model for individualizing instruction and developed materials for the analysis of marginalia in freshman composition. In the area of course improvement, he developed a new course, "Selected Problems in the Teaching of Contemporary English," and re-designed methods course contents to provide materials for slow learners in English.

The author of several textbooks, Dr. Fagan, during the past year, taught an innovative course, "Literature through Science," to non-guaged sophomores, juniors and seniors in the State College

Area School District Alternative Program as a teaching model for prospective teachers and interested colleagues.

In nominating Dr. Keiper for the Lindback Award, students and faculty cited him as "a gifted, devoted teacher who understands that good teaching is more than a collection of communication skills . . ." They also emphasized his knowledge of his field, his ability "to expand on the teaching material used for any specific course" and his encouragement of independent research activities on the part of students.

Dr. Keiper joined the Penn State faculty in 1968. A graduate of Muhlenberg College, he received an M.S. in wildlife biology and Ph.D. in zoology from the University of Massachusetts.

At Mont Alto, Dr. Keiper's course innovations have made his classes among the most popular on campus. He created special laboratories on the "vertebrate skeletal system" and "the biological effects of pollution"; developed project requirements for BI SC 3, Man and His Environment, which fit into individual majors; arranged various field trips; and established campus birding and bird-banding groups.

His recent research has focused on the feral ponies at Assateague Island.



Dr. Frank Anthony, who has served on the faculty since 1950, will retire July 1 as professor emeritus of agricultural education.

He holds three Penn State degrees, B.S. '34, M.S. '49 and Ph.D. '56. From 1934 to 1943, he was on the staff of the National Farm School.

Dr. Anthony has been active in promoting safety education through the school systems of the State. The Pennsylvania Game Commission on May 21 presented him with its highest award, the Senior Wildlife Conservation Award, recognizing his dedication to wildlife conservation and his work in hunter education.

He was also cited by the Pennsylvania Rural Electric Association, which named him "Man of the Year" in 1969 for his work in developing educational programs for the efficient use of electricity and in conservation of energy. In 1972, he was awarded the American Farmer Degree in Kansas City by the National Future Farmers of America.

Dr. and Mrs. Anthony plan to maintain their residence in State College.



Ben Morgan, professor of animal science extension, will retire June 30 with almost 22 years of service to the University. Prior to his appointment to the College of Agriculture faculty, Prof. Morgan served 21 years on the West Virginia Cooperative Extension Service staff.

A native of Fairmont, W. Va., he received an A.B. from Fairmont State College and a B.S. in animal husbandry from West Virginia University.

As Penn State Extension animal scientist, Mr. Morgan played a major role in the development of the Pennsylvania Livestock and Allied Industries Association and helped set up the Keystone International Livestock Exposition. He was also instrumental in the reorganization of the Pennsylvania Sheep and Wool Growers' Association and in establishing the Pennsylvania Meat Animal Evaluation Center.

The author of many livestock publications, Prof. Morgan was named an Honorary Fellow of the American Society of Animal Science in 1976. He was named Pennsylvania's Livestock Man of the Year in 1975.

Dr. Robert J. McIntyre, assistant professor of economics, recently served as special advisor to a World Health Organization expert meeting on Research in Adolescent Fertility in Europe, held in Warmünde, German Democratic Republic. Dr. McIntyre presented a paper on the "Economic and Social Determinants of Fertility in Europe."

Dr. Norman Freed, associate professor of physics and assistant dean for resident instruction in the College of Science, recently spent three weeks conducting research and lecturing in Europe. He presented a series of seminars on "Pion-Nucleus Interactions in the Near Threshold Region" at the Deutsches Elektronen Synchrotron Laboratory (DESY) in Hamburg, West Germany, and at the Institute for Nuclear Physics of the University of Lund, Sweden. He also presented invited colloquia at the Niels Bohr Institute of the University of Copenhagen, Denmark; University of Stockholm, Sweden; International Centre for Theoretical Physics, Trieste, Italy; and the Swiss Institute for Nuclear Research, Zurich.

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, has been appointed to the advisory board of the Department of Energy's new Combustion Research Facility.

Dr. E. Willard Miller, associate dean for resident instruction and professor of geography in Earth and Mineral Sciences, has been elected a fellow of The Explorers Club. Recognized as one of the world's most distinguished scholarly societies, The Explorers Club has served since 1904 as an international focal point in the search for new knowledge.

Jan S. Prybyla, professor of economics, presented a paper on "Patterns of Industrial Development" at an international symposium on Chinese Policies Since the Death of Mao held at the University of the Saar in Saarbrücken, West Germany. The symposium was sponsored by Saar University and the European Consortium for Political Research. Prof. Prybyla also participated in the seventh Sino-American Conference on Mainland China held recently in Taipei, Taiwan.

Obituary

Eleanor D. Wilson, an assistant professor of physics at Ogontz, was killed in an automobile accident on May 23 in Philadelphia. She was 53 years old. Mrs. Wilson, a native of Philadelphia, joined the Campus faculty in 1958. She held B.S. and M.A. degrees from Temple University and worked as an engineer with General Electric during World War II. At Ogontz, she wrote and taught a special course on the Physics of Energy for students with no technical background.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

SUMMER TERM 1978

Thursday, June 8

Continuing Education registration, 1-8 p.m., Room 101 Kern.
London Bus schedule: Monday-Friday, 1:30 and 2:30, leaves from HUB main entrance, throughout term.

Friday, June 9

Registration (10 week term), 8 a.m.-5 p.m., IM 846g.

Continuing Education registration, 9 a.m.-5 p.m., Room 101 Kern.

Pre-examination in German for advanced-degree candidates.
HUB Craft Center course registration, through June 17. Friday, 7-10 p.m., Saturday, 10 a.m.-6 p.m., Sunday through Thursday, noon-5 p.m., Room 312 HUB.

Sunday, June 11

Astronomy Open House, 9-11 p.m., roof of Davey Lab. See the moon, Mars, Saturn, star clusters and the Ring Nebula. Also astronomy software sale.

Week of June 12

Monday, June 12

Summer term classes begin, 8 a.m.

Wednesday, June 14

Sigma Delta Epsilon, Graduate Women in Science, luncheon meeting. Andrea Mastro, student in biophysics, on "Tumor Promoters and Lymphocyte Activation," noon, Room 101 Kern.

Commonplace Theatre, *Captain Blood*, 7:30 and 9:30 p.m., Room 112 Kern.

Friday, June 16

Last date for registering with foreign language departments (other than French and Spanish) for written language examinations. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 17

Penn State Open, chess games, all day, Room 301 HUB.

Cinema Internationale, *Magical Mystery Tour*, a 1967 Beatles TV Special, and *Hendrix Plays Berkeley*, documentary of a 1970 performance, two complete showings, 8 and 10 p.m., Room 112 Kern.

Sunday, June 18

Penn State Open, chess games, all day, Room 301 HUB.

Free U course registration, 1-6 p.m., HUB ballroom.

Cinema Internationale, *Magical Mystery Tour* and *Hendrix Plays Berkeley*, 8 and 10 p.m., Room 112 Kern.

Week of June 19

Monday, June 19

Free U course initiators workshop, 8-10:30 p.m., HUB reading room.

Colo Slide Club meeting, 7:30 p.m., Room 112 Kern.

Wednesday, June 21

Late registration deadline (10 week term). Add deadline (10 week term). Commonsplace Theatre, *Bananas*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, June 22

Festival Theatre, Neil Simon, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, June 23

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Spectrum, An Evening with Gordon MacRae, 8 p.m., Eisenhower Auditorium.

Saturday, June 24

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Sunday, June 25

Festival Theatre, *The Sunshine Boys*, 7:30 p.m., The Pavilion Theatre.

Week of June 26

Monday, June 26

Registration (8 week term), 1-5 p.m., Shields Bldg. lobby.

Last date for August graduates to activate diploma cards in Registrar's Office and pay theses fees at Bursar's Office.

Tuesday, June 27

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Wednesday, June 28

Commonsplace Theatre, *Play It Again, Sam*, 7:30 and 9:30 p.m., Room 112 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Spectrum, The Enick Hawkins Dance Company, 8 p.m., Eisenhower Auditorium.

Thursday, June 29

Pass/fail (10 week term).

Festival Theatre, Hugh Wheeler and Leonard Bernstein, *Candide*, 8 p.m., The Playhouse.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, June 30

Pass/fail (10 week term).

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Saturday, July 1

Last date for August graduates to deliver doctoral theses to committee.

Behind the Scenes of *The Sunshine Boys*, 2 p.m., Pavilion Theatre. Free tickets at The Playhouse boxoffice.

Cinema Internationale, *Allegro Non Troppo*, animated film, 8 and 10 p.m., Room 112 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Sunday, July 2

Festival Theatre, *The Sunshine Boys*, 2 p.m. and 7:30 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 7:30 p.m., The Playhouse.

Week of July 3

Monday, July 3

Drop deadline (10 week term).

Course repeat deadline (10 week term).

Pass/fail (10 week term).

Preregistration deadline (fall term).

Cinema Internationale, *Allegro Non Troppo*, 8 and 10 p.m., Room 112 Kern.

Tuesday, July 4

Independence Day, no classes.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Wednesday, July 5

Late registration deadline (8 week term).

Add deadline (8 week term).

Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.

Commonsplace Theatre, *One Day in the Life of Ivan Denisovich*, 7:30 and 9:30 p.m., Room 112 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Thursday, July 6

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Friday, July 7

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Spectrum, The Romero Trio, 8 p.m., Eisenhower Auditorium.

Saturday, July 8

Last date for final oral doctoral examinations for August graduates.

Last date for August graduates to deliver masters theses or papers to adviser.

Behind the Scenes of *Candide*, 2 p.m., The Playhouse. Free tickets at The Playhouse boxoffice.

Cinema Internationale, Marguerite Duras, *Nathalie Granger*, French with English subtitles, 8 and 10 p.m., Room 112 Kern.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Sunday, July 9

Festival Theatre, *The Sunshine Boys*, 2 p.m. and 7:30 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 2 p.m. and 7:30 p.m., The Playhouse.

Opening reception for the CPFA exhibit, "Contemporary American Art," 5:30-7:30 p.m., Museum of Art.

Week of July 10

Monday, July 10

Cinema Internationale, *Nathalie Granger*, 8 and 10 p.m., Room 112 Kern.

Tuesday, July 11

Pass/fail (8 week term).

Opening Ceremonies for the 12th Annual Central Pennsylvania Festival of the Arts, 7:30-10 p.m., Allen Street Mall.

CSA Council meeting, 7 p.m., Room 101 Kern.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Wednesday, July 12

Pass/fail (8 week term).

Sigma Delta Epsilon, Graduate Women in Science luncheon meeting. Linda Deford, student in genetics, on "Turkey Parthenogenesis and Haplids," noon, Room 101 Kern.

CPFA Children's Events, campus and town locations.

Commonsplace Theatre, *The Longest Yard*, 7:30 and 9:30 p.m., Room 112 Kern.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Spectrum, The Pennsylvania Ballet, program for a young audience, 8 p.m., Eisenhower Auditorium.

Thursday, July 13

Drop deadline (8 week term).

Course repeat deadline (8 week term).

Pass/fail (8 week term).

12th Annual Central Pennsylvania Festival of the Arts, through July 16, campus locations and Allen Street Mall.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Spectrum, The Pennsylvania Orchestra, Pops Concert, 8 p.m., Eisenhower Auditorium.

Friday, July 14

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Cinema Internationale, Herzog, *Fata Morgana* (1970), German, 8 and 10 p.m., Room 112 Kern.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Spectrum, The Pennsylvania Ballet, 8 p.m., Eisenhower Auditorium.

Saturday, July 15

IATIS, 4th Annual Penn State Fiddlers' Competition, noon, CPFA Tent, Old Main lawn.

An Evening of African Music and Fashions, 7:30 p.m., Walnut assembly room, Robeson Cultural Center.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Spectrum, The Pennsylvania Ballet, 8 p.m., Eisenhower Auditorium.



Sunday, July 16

Festival Theatre, *Candide*, 2 p.m. and 7:30 p.m., The Playhouse.

Week of July 17**Monday, July 17**

College of Education/Phi Delta Kappa Lecture. Caryl M. Kline, Pa. Secretary of Education, will speak, 2:20 p.m., Room 112 Kern. Cinema Internationale, *Fata Morgana*, 8 and 10 p.m., Room 112 Kern.

Wednesday, July 19

Commonsplace Theatre, *The President's Analyst*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, July 20

Festival Theatre, Preston Jones, *Lu Ann Hampton Lattery Oberlander*, the second play of *A Trax Trilogy*, 8 p.m., The Pavilion Theatre.

Friday, July 21

Board of Trustees meeting at Hazleton. College of Education/Phi Delta Kappa Lecture. Stuart Forth, Dean of University Libraries, on "A View from the Bridge: Learning in Libraries 1980, and Thereafter," 12:45 p.m., Room 112 Kern. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre. Spectrum, Broadway a la Carte, 8 p.m., Eisenhower Auditorium.

Saturday, July 22

Board of Trustees meeting at Hazleton. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, July 23

Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 7:30 p.m., The Pavilion Theatre.

Week of July 24**Monday, July 24**

Last date for August graduates to deliver theses to Graduate School Office. Last date for Departments to certify to Graduate School completion of required papers for August graduates.

Last date for August graduates to order cap, gown and hood locally.

First day for signing Fall Term NDSL and University Long Term Loans, Room 108 Shields. Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, July 25

College of Education/Phi Delta Kappa Lecture. Leila V. Moore, education, on "The Affective Domain: A Diagnostic Aid to Learning," 11 a.m., Room 112 Kern. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Wednesday, July 26

Commonsplace Theatre, *They Shoot Horses, Don't They?* 7:30 and 9:30 p.m., Room 112 Kern. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Thursday, July 27

Fixed date for meetings involving Commonwealth Campus faculty. College of Education/Phi Delta Kappa Lecture. Helen I. Snyder, educational psychology, on "Basic Skills: The Tip of an Iceberg?" 3:55 p.m., Room 112 Kern. Festival Theatre, Samuel Gallu, *An Offer You Can't Refuse*, World Premiere, 8 p.m., The Playhouse.

Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Friday, July 28

Fixed date for meetings involving Commonwealth Campus faculty. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Spectrum, Loretta Lynn Show, starring Loretta Lynn and the Coal Miners, 7 and 9 p.m., Eisenhower Auditorium. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Saturday, July 29

Behind the Scenes of *Lu Ann Hampton Lattery Oberlander*, 2 p.m., Pavilion Theatre. Free tickets at The Playhouse boxoffice. Cinema Internationale, Tavernier, *Let Joy Reign Supreme*, French with English subtitles, 8 and 10 p.m., Room 112 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, July 30

Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 2 p.m. and 7:30 p.m., The Pavilion Theatre. Festival Theatre, *An Offer You Can't Refuse*, 7:30 p.m., The Playhouse.

Week of July 31**Monday, July 31**

Cinema Internationale, *Let Joy Reign Supreme*, 8 and 10 p.m., Room 112 Kern.

Tuesday, August 1

Bloodmobile, 9 a.m.-5 p.m., HUB ballroom. Commonsplace Coffeehouse, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Wednesday, August 2

Commonsplace Theatre, *O Lucky Man*, 7:30 and 9:30 p.m., Room 112 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Thursday, August 3

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Friday, August 4

Square Dance Festival, 8 p.m.-midnight, HUB. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Saturday, August 5

Square Dance Festival, 9 a.m.-midnight, HUB. Behind the Scenes of *An Offer You Can't Refuse*, 2 p.m., The Playhouse. Free tickets at the boxoffice.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, August 6

Festival Theatre, *An Offer You Can't Refuse*, 2 p.m. and 7:30 p.m., The Playhouse. Festival Theatre, *Lu Ann Hampton Lattery Oberlander*, 2 p.m. and 7:30 p.m., The Pavilion Theatre.

Week of August 7**Monday, August 7**

Late drop deadline (10 and 8 week terms). College of Education/Phi Delta Kappa Lecture. Robert L. Shrigley, education, on "Strategies in Classroom Management," 8 a.m., Room 112 Kern. Last day for signing Summer Term NDSL and University Long Term Loans, Room 108 Shields.

Tuesday, August 8

Japanese Teachers Program, Slide Contest, People/Places, 7:30 p.m., Room 112 Kern. All invited. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Wednesday, August 9

Sigma Delta Epsilon, Graduate Women in Science luncheon meeting, noon, Room 101 Kern. Frances Pannebaker, student in agronomy, on "Soil and Waste Monitoring for Establishment of Vegetative Cover on Fly Ash Disposal Areas." Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Thursday, August 10

Cinema Internationale, Orson Wells, *F for Fake*, 8 and 10 p.m., Room 112 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Friday, August 11

Commonsplace Theatre, *White Heat*, 7:30 and 9:30 p.m., Room 112 Kern. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Saturday, August 12

Last date for submitting petition to Records Officer to graduate in absentia in August. Commonsplace Theatre, *White Heat*, 7:30 and 9:30 p.m., Room 112 Kern. Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Sunday, August 13

Festival Theatre, *An Offer You Can't Refuse*, 2 p.m. and 7:30 p.m., The Playhouse.

Week of August 14**Monday, August 14**

Cinema Internationale, *F for Fake*, 8 and 10 p.m., Room 112 Kern.

Tuesday, August 15

University Faculty Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, August 16

Commonsplace Theatre, *Slither*, 7:30 and 9:30 p.m., Room 112 Kern.

Friday, August 18

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Week of August 21**Monday, August 21**

Summer term classes end, 9:55 p.m. Early registration for fall term, 8:30 a.m.-4:30 p.m., Room 112 Shields, through Friday, August 25. Last day for signing Summer Term Emergency Loans, Room 108 Shields. Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, August 22
Final examinations.

Wednesday, August 23
Final examinations.

Thursday, August 24
Final examinations.

Sunday, August 27
Commencement.

Exhibits

Earth and Mineral Sciences Museum
Open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m. Closed Mondays and main legal holidays. Steidle Bldg.

Frost Entomological Museum
Open 9 a.m.-noon, 1-4:30 p.m. weekdays. Live aquatic insects; live seasonal insects. Room 102 Patterson.

Hammond Gallery

William Mayer, MFA Thesis Exhibition, June 25-30. CPFA Exhibit, July 11-16.

HUB Gallery

Art Alliance Juried Exhibit, July 1-31.

Kern Commons Gallery

Bonnie Detsch, jewelry, through June 24. Don's Coyle, oil paintings; Weislaw Zdaniewski and Dennis Charnier, photographs, June 24-July 8. CPFA Invitational Photography Exhibit Stamp Show, July 8-22.

David Armstrong, water colors, July 8-29. George Lavanish, wildlife drawings, July 22-August 5.

Paul Flexner, oil paintings, July 29-August 12. Surinam Wood Carvings, July 29-August 19. Daphne Sola, prints, August 5-19.

Museum of Art

Open noon-5 p.m. daily. Closed Mondays. Tours on Sundays at 1:30 p.m. Robert Kulicke, painter, designer, craftsman, through June 25.

Special exhibition on Jerome Witkin's *Painter's Crossing: American Paintings from the Permanent Collection*, through July 2.

Contemporary American Prints from the Permanent Collection, through September 10. Mauricio Lasansky: A Retrospective Exhibition of Prints and Drawings, July 9-August 20.

CPFA exhibition of Contemporary American Art, selected by Paul Shanley, July 9-September 17.

Pattee Galleries

David Balas, photographs, "Tribute to John O'Hara," East Corridor Gallery, through June 20.

Thomas Bewick, "British Birds," main lobby, through June 20.

Robeson Cultural Center, Walnut Bldg.
Billie Veitch-Clemon, silk screen photos illustrating African proverbs, June 17-July 15. Exhibit of African fashions, July 17-July 31.

Sackett Gallery

PSU Architecture students, "The Architectural Component of Light," drawings, photos and models, through summer term.



From the Trustee Docket

Admissions dean to be appointed

Penn State's recruitment and admissions functions and programs will be integrated into a single Office of Admissions, reporting directly to the Provost, and a Dean of Admissions will be named to serve as the administrative head of the new office. Authorization for these actions was given by the trustees.

The Dean of Admissions, a new position, will have overall responsibility for admissions and recruitment programs that relate to all Penn State campuses.

In a report to the Board, Provost Edward D. Eddy said that Penn State's past and present efforts in undergraduate student recruitment and admissions have been effective and highly efficient.

While many other colleges and universities have faced enrollment declines, he noted, Penn State has been able to enroll a full class of qualified students each year.

However, Dr. Eddy told the Board, a projected steady decline in the number of students reaching college age throughout the 1980s and 1990s is expected to bring about significant changes in the admissions environment.

"In light of this," Dr. Eddy continued, "special efforts will have to be made to bring about the opportunities of higher education to all students. Since prospective students want and expect full information about the University's many programs and locations, communication with them through effective publications, correspondence and personal contact is becoming an increasingly important part of the admissions program."

A carefully coordinated admissions and communication program, he said, also can provide better balance in student choice and enrollment among fields of study.

Currently, the responsibility for relations with prospective students at the University is divided among several units, each reporting to different executive officers.

Pointing out that competition for students, especially the most qualified, will become intense, the Provost said Penn State's admissions effort will have to meet new tests and challenges in identifying, attracting, and communicating with able students.

"Our newly integrated admissions program is intended to provide the capacity to meet these new demands through an effective and coordinated approach," he concluded.

Private support increases

Progress toward the goal of doubling private support of the University from alumni and friends was reviewed by the Committee on Educational Policy, and it was announced that two major projects of the Penn State Fund Council exceeded their fund-raising goals.

In a report, Dr. Stanley O. Ikenberry, senior vice president for administration, said that private support for the Human Resources Bldg. at the Berks Campus and support for the Engineering Activities Center at University Park have met or surpassed Fund Council goals.

A successful community capital fund campaign led by Berks Campus Advisory Board members raised 109 percent of its \$1.5 million goal for a proposed multi-purpose facility that will feature a physical education-convention unit.

It was reported that more than \$266,000 has been contributed or pledged for the Engineering Activities Center.

The Penn State Fund Council identified high-priority needs of the University and in July 1976 organized special appeals for the projects. At the same time, ongoing private fund raising was continued and expanded in order to increase private support to the University significantly.

Dr. Ikenberry also reported on the status of four additional special projects:

— Museum of Art Endowment: Pledges or contributions totaling more than \$500,000 have been received toward a goal of \$2 million. The endowment fund will be used to assemble outstanding exhibitions of works, attract visiting lecturers, offer unique educational experiences in the arts for students, extend the resources of the Museum to greater numbers of people, build a high-quality permanent collection, and provide proper conservation of the works of art.

— Indoor Sports Complex: The project involves renovating the ice pavilion and converting the space into a sports complex which would provide an indoor track and practice area for varsity and intramural sports. Contributions and pledges totaling some \$440,000 have been received toward the \$1.5 million goal.

— Scholarships and Fellowships: Since July 1, 1976, gifts totaling \$481,157 have been received for the endowed scholarship programs, an ongoing project designed to attract and retain promising students and to help meet the needs of deserving students.

— Chairs, Professorships and Fellows: Support in this area totals \$435,790. Gifts of this kind will provide opportunities for distinguished faculty members to make outstanding contributions.

Phase I plans for sports complex okayed

Support from alumni and friends will make possible ultimate construction of a new Indoor Sports Complex for Penn State.

Final plans for the first phase of this project were approved by the University's Board of Trustees at its May 26 meeting. The Board also designated as the architectural firm to design the total Sports Complex the firm of Deeter Ritchey Sippel Associates of Pittsburgh.

In taking these actions, the trustees authorized the expenditure of a sum not to exceed \$202,885 for construction of Phase I and a sum not to exceed \$235,000 for architectural design costs of the total complex. As of the end of April, \$440,116 has been contributed for the complex by alumni and friends of Penn State.

In Phase I, a concrete base covered by an artificial surface will be installed on the present floor of the University Ice Pavilion to begin conversion of the facility for indoor sports use.

According to Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Recreation, the Indoor Sports Complex is needed to provide space for indoor activity for football,

baseball, softball, soccer, lacrosse, field hockey and track, when outdoor practice fields are not useable.

Dean Scannell said the phasing of the project has been approached primarily for two reasons: the urgent need for indoor activity space for varsity teams and intramurals and a desire to limit the time during which the ice skating programs would have to be interrupted.

Estimates indicated that approaching the total project without phasing might have interrupted the ice skating program for two or more years.

Dean Scannell also said that the project will enhance several other aspects of programs of the College of Health, Physical Education, and Recreation. It will provide more space availability for recreational activities and for specialized classes. In addition to athletics, recreational, and physical education activities, it is anticipated that the complex will also be used periodically by other groups, such as the Blue Band and the R.O.T.C.

Plans approved for Engineering Center

Approval was given sketch-preliminary plans for renovations to the glass-enclosed area that connects Hammond Bldg. and Sackett Bldg. The area will serve as an Engineering Activities Center, which will be used for such functions as seminars, informal meetings, conferences, and engineering honor society activities.

Funds were contributed by private companies, alumni, and the Penn State Engineering Society.

Modifications involving three levels of the area will include the addition of insulation, air conditioning, furnishings and lighting.

After completion, the Center will offer a more suitable meeting place for students, faculty and alumni. Improved entrance to the College of Engineering and the offices of the dean, as well as the creation of an information center will be provided. The exhibition hall will be enhanced, as will the aesthetics of a prominent focal point of the University.

Editor's Note: A corporate gift of \$50,000 from General Motors to Penn State was announced last week. The funds will be used to help defray costs for renovations to the Hammond Building.

Graduate program changes

A new program in Engineering Science, administered through the Department of Engineering Science and Mechanics, will admit its first students in the upcoming fall term.

With the addition of this program, Penn

State becomes the only institution in Pennsylvania offering graduate work in Engineering Science. The University's undergraduate degree program in the field is also the only one of its kind in the Commonwealth.

"The graduate program will couple mathematical analysis with the sciences and engineering sciences to allow a level of flexibility and general training not now available," Dr. John R. Mentzer, head of the Department of Engineering Science and Mechanics, explained.

Trustees also heard a report on a decision to discontinue the Master of Nursing degree program. The Department of Nursing will continue to offer the Master of Science degree.

The Master of Nursing was originally a terminal professional degree. Its objective was to prepare the nurse for practice in various settings, but it lacked a research component.

The faculty of the Department of Nursing felt that, in addition to a strong clinical background, all nurses require a basic knowledge of research and research methods.

"This dual focus can best be achieved within the Master of Science Program," according to Dr. Janet Williamson, head of the Department of Nursing.

New options offered

A new Associate Degree in Science will be offered this fall. It is designed to provide a general two-year education in science and to prepare students for potential certification in professional programs in medical-related fields.

The 64-credit program consists of 52 credits in required courses, plus 12 credits in courses dealing with biological, mathematical and physical sciences. The degree will be offered at six campuses—Altoona, Hazleton, McKeesport, New Kensington, Ogontz and Shenango Valley.

In the College of Earth and Mineral Sciences, the mining engineering major will be split into two options. The mining option will deal mainly with the extraction of mineral deposits; the mineral processing option will deal with the problems of concentrating and refining minerals.

Also in E&MS, the ceramic science major will become the ceramic science and engineering major. This has been done to recognize the engineering aspects of the program and its accreditation by the Engineering Council for Professional Development.

Still another change in major is in the College of Agriculture, where the animal science major will be the animal bioscience major. The new title more accurately describes the content and goals of the major, which prepares students for careers or advanced study in areas of animal agriculture requiring in-depth knowledge of the natural sciences.

A final change affects a program in the College of Human Development. The functional apparel design and management emphasis (clothing studies) will be phased out as soon as students currently in the program complete their degrees.

Life Sciences Bldg. named for Dr. Mueller

The late Dr. Erwin W. Mueller, who served as Evan Pugh professor of physics until his retirement with eminent rank in 1976, has been honored in the naming of the Life Sciences Bldg.

One of the University's most distinguished faculty members, Dr. Mueller in 1975 was elected to both the National Academy of Sciences and the National Academy of Engineering. Last November, the National Medal of Science was awarded posthumously to Dr. Mueller and presented by President Carter to Dr. Mueller's daughter. Dr. Mueller died on May 17, 1977.



William K. Ullrich, center, Clearfield newspaper publisher and broadcast executive and president of the Board of Trustees, received the 1978 Lion's Paw Medal Award from John Brutzman, left, president of the Lion's Paw Alumni Association, on June 3. With them is President Oswald. The award, established in 1965 by the Lion's Paw Alumni Association, honors persons who have contributed notable service to the University and fostered its traditions.

News in brief

(Continued from page 1)

to their Campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications. *Research Publications and Professional Activities and University Publications and Reports to Agencies*. To be included are research papers and articles, books that have been reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, information materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions, patents and any other activity that meets recognized standards of excellence in its field.

More detailed information is contained in the May 1 memo.

Trustee elections reported

Three new members have joined four re-elected incumbents for three-year terms on the Board of Trustees.

Howard O. Beaver Jr., of Reading, president and chief executive officer of Carpenter Technology Corporation, and Samuel A. Breene, of Oil City, chairman of the board and chief executive officer of Brookville Glove Manufacturing Co., Inc., were elected by county industrial society delegates. They succeeded Samuel F. Hinkle of Hershey, a Board member since 1963, and G. Albert Shoemaker of Pittsburgh, a trustee since 1957 and president of the Board from 1970 to 1973. Mr. Hinkle and Mr. Shoemaker were not candidates for re-election.

Burton L. Hetherington of Ringtown, a partner in H-I Farms, succeeds Harry R. Ulrich of Hummelstown, first named to the Board in 1969. Mr. Hetherington was elected by county agricultural society delegates, who also re-elected J. Luther Snyder of Camp Hill, master of the Pennsylvania State Grange. Mr. Snyder was first named to the Board in 1975. Mr. Ulrich was not a candidate for re-election.

Alumni of the University, balloting by mail, re-elected H. Jesse Arnelle, of San Francisco; Kenneth L. Holderman, of State College; and Helen D. Wise, of State College. They were chosen from six nominees.

Mr. Arnelle, first elected in 1969, is a trial attorney in San Francisco; Mr. Holderman, vice-president emeritus for the University's Commonwealth Campuses, has been on the board since 1975; and Mrs. Wise, representative to the Pennsylvania House of Representatives from the 77th district, has been a trustee since 1969.

Mr. Beaver, who is president of the Berks Campus Advisory Board and a member of the Alumni Council, is a 1948 graduate of Penn State.

Mr. Breene, former member of the Board of Trustees, maintains a law practice in Oil City.

Mr. Hetherington is a leader in the Commonwealth's horticultural industry.

Sports entries to be taken

Entries will be taken in the Intramural Office from Monday, June 12, until noon, Thursday, June 15, for basketball and softball. There will be both men's slow pitch softball and Co-Rec softball. Co-Rec teams must consist of five men and five women at all times.

Entries will be taken in the Intramural Office from Monday, June 19, until noon, Thursday, June 22, for tennis — men's and women's singles, mixed doubles and men's and women's racquetball singles.

For further information, call the Intramural Office at 865-5401.



Eric Hawkins and Cathy Ward in "Parson Weems and the Cherry Tree, etc."

Spectrum tickets will go on sale at Eisenhower June 13

The Erick Hawkins Dance Company will make its first appearance at University Park as part of Nittany Mountain Summer's Spectrum of Music and Dance Friday, June 28, at Eisenhower Auditorium.

The program will feature "Parson Weems and the Cherry Tree, etc.," which premiered in New York in April.

Tickets for all Spectrum programs go on sale beginning Tuesday, June 13, at the Eisenhower box office.

An Evening with Gordon MacRae opens the Spectrum series on June 23. Other programs scheduled are the Romero Trio, July 7; The Pennsylvania Orchestra Pops Concert, July 13; two performances by the Pennsylvania Ballet, July 14 and 15; a Pennsylvania Ballet Program Designed for a Young Audience, July 12; Broadway a la Carte, July 21; and two performances of the Loretta Lynn Show on July 28.

Discounts of up to 25 percent are

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., June 15. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ELECTRON MICROSCOPIST — COLLEGE OF MEDICINE, Hershey. Responsible to a professor in the Department of Pathology for the operation, care and preparation of materials for the use of the electron microscope. Bachelor's degree or equivalent, plus one to two years of directly related experience.

MEDICAL SOCIAL WORKER I — COLLEGE OF MEDICINE, Hershey. Responsible to the Social Services Coordinator to serve as part of the health care team in providing practical help and emotional support to patients and their families and assume consultation functions. A bachelor's degree in social work or in a related human services field, with one to two years of directly related experience in social work.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, Hershey. Responsible for the routine inorganic and organic chemical analysis of animal tissues including (a) preparation, standardization, and testing of analytical reagents, (b) a working knowledge of atomic absorption spectroscopy for the determination of various elements in animal tissues, and (c) working knowledge of ultra-violet and light spectroscopy for the determination of various inorganic and organic chemical constituents in animal tissues. Bachelor of science degree in chemistry, biochemistry, biophysics or a closely related degree, and at least one year of research experience or directly related laboratory experience is required.

available, based on the number of events patron selects. For further information, call 863-0255.



Senate Chairman's closing remarks

Editor's note: The following is the text of retiring Senate Chairman Thomas E. Daubert's closing comments.

Since I was elected Chairman-Elect of the Senate two years ago I have been a proponent of and worked toward two major goals — the implementation, strengthening, and expansion of the faculty role in the system of shared governance which characterizes the Penn State system and the improvement of communications with all segments of the academic community: students, faculty, administration, Colleges and Campuses.

I'd like to talk about some of the accomplishments in these areas and allude to some of the areas where additional work is required.

1. INTERCOM has been used extensively and often repetitively to inform and seek input from the faculty on all items of major importance to be presented to the Senate. The response from the faculty has been spotty, but the opportunity for input has been available. The questions posed by the Senate Officers to various administrators and their answers have been published, and more are forthcoming. A faculty response section has been initiated and should be operational by fall term.

2. Over the past two years I have visited the 17 Commonwealth Campuses, Capitol Campus, Behrend College, and the College of Medicine at Hershey to discuss items of mutual academic interest with faculty, students and administrators. These visits were extremely helpful in gaining understanding of the unique and common problems and potential of the various units of the University and were mutually helpful in advancing the concepts of shared governance, as well as making the Senate leadership more responsive to the concerns of faculty at locations other than University Park.

3. Two workshops for College and Campus faculty organization chairmen were held prior to Senate meetings. Again the opportunity for discussion of mutual and individual concerns was made available.

4. Three widely-publicized discussion sessions with University Park faculty were held at various locations during the fall term. The low attendance at these sessions signified either satisfaction with the current state of affairs, complete disinterest, or irreconcilable dissatisfaction.

5. Various meetings with student groups

including student government Academic Assembly personnel and student Senators were held throughout the year, and specific issues were discussed.

6. The FAC has functioned well throughout the year in advising the President, the Provost, and the Senior Vice-President for Administration. I have had individual conferences with all the vice-presidents and other central administrators throughout the year.

I believe communication and the opportunity for practicing shared governance have been at an all-time high this year. However, while communications and the concept of shared governance at the central University level are good, problems still exist in some Colleges and at some Campuses. The necessity for College, department, and Campus faculty organizations to have full input in their advisory and consultative roles is yet to be realized in order to make the system of shared governance work. Through the constitutions and bylaws approved by the Senate and the President, College and Campus faculties are asked and empowered to be a major force in shaping academic programs and carrying out the College or Campus missions. Progress has been made at all levels, but improvement in College and Campus administrative-faculty cooperation and mutual decision making is still necessary before it can be stated that the system is really successful at the working level.

Turning to the Senate and its major legislative role on academic matters, we have accomplished much this year. At the President's Convocation last September, I spoke about major issues in baccalaureate education which many of these areas — revised BDR requirements and their essential nature, admissions requirements by College and program as related to total resources, retention and graduation standards as applied to specific curricula, and the dichotomy between maintenance of both quality and wide flexibility of programs in the '80s. We have made much progress in addressing each of these areas this year, and actually only program-by-program implementation of much of the already enacted enabling legislation remains. I see this package of legislation as a real credit to the Senate and its committees. Last year's basic skills legislation was implemented with success. The major report on the climate for research which is still evolving is an important attempt to put the place of research and the responsibilities of the various constituencies related to research in real

perspective.

What about our advisory powers? The area of promotion and tenure has been actively considered. The Faculty Affairs Committee presented several changes that to the Senate resulting in recommendations to the President for changes in PS-23 and the President and I appointed a joint committee to study the entire policy of PS-23 after three years of experience with it. A report is due in fall 1979. The question of part-time faculty, including their role and prerogatives, is undergoing study, and the insurance and fringe benefits area has been studied by a joint committee of faculty and administrators. Several assists were given in attempting to convince the legislature of the worth of Penn State to the Commonwealth of the 1977 State budget impasse.

The area of delegation of authority from the Senate to College and Campus faculty organizations received almost a full year of discussion by the Intra-University Relations Committee and provided a forensic session to the Senate. Questions such as delegation of authority and responsibility for approval of non-credit offerings to Colleges and Campuses, delegation for associate degree requirements to Campus faculty organizations or consortia of Campus organizations, and certain delegations to College organizations were discussed. However, no conclusions could be reached by many faculty, as well as College, Campus, and departmental administrators, appear unwilling to attempt to transfer any authority to those directly concerned. My greatest disappointment is the parochial attitude of many faculty and administrators, which prevents true delegation even when justified and safeguarded. In a changing market situation, I believe that more delegations are necessary for the continued health and even survival of certain of our Campuses and programs. I hope the next year will see real progress in this area.

The Committee on Planning and Development has provided major input into the beginning of new Academic Plans. I see a responsibility for me to see that the faculty to be even more influential in the coming year. As the "Plan for the 1980s" develops, many very difficult and serious decisions will be necessary for the possible contracting or no more than stable '80s. The Senate must use its collective wisdom to make a strong voice in this area. I am certain that the Penn State of the '80s has an even stronger academic stature than the Penn State of the '70s.

Penn State Intercom

News in Brief

TIAA retirement contribution rate will be increased

On behalf of each faculty or staff member who belongs to the Teacher's Insurance and Annuity Association (TIAA) retirement program, the University makes a contribution which by law is determined each year by the State Employees' Retirement Board based on an actuarial evaluation.

From July 1, 1975, through June 30, 1978, the amount of the University's contribution has been 6.64 percent of salary. That amount will be increased beginning July 1, 1978, to 7.65 percent of salary.

Shenango Valley network changed

Effective today, June 15, the new network number for the Shenango Valley Campus is 641-2337.

Pollock Road to be closed off

Monday and Tuesday, June 19 and 20, Pollock Road will be closed at Schwab Auditorium.

Calendar change

Since Kern Graduate Bldg. will only remain open until 11 p.m. during the summer months, Cinema Internationale has changed the times of its film showings. All 8 p.m. and 10 p.m. showings will be moved back to 7 p.m. and 9 p.m.

Steidle Bldg. named

The Mineral Industries Building was formally named the Edward Steidle Building at a ceremony on Saturday, June 3.

The building's name was changed in March by the Board of Trustees to honor the late Dr. Edward Steidle, dean of the School of Mineral Industries, now the College of Earth and Mineral Sciences. He was dean from 1928 until his retirement with emeritus rank in 1953.



Senate gets Basic Skills report

The University Faculty Senate heard reports on long-term policy issues, the Basic Skills Program and various insurance plans at its June 6 meeting in Kern Bldg. New Senate officers were also announced and a number of legislative items were handled during the session — the last one until September.

The Senate Committee on Planning and Development identified and commented on several long-term policy issues, including admissions, recruitment, the size and functions of the Graduate School, the hard choices ahead, the possible need for new organizational arrangements and the wisdom of defending and improving quality within the University. One aspect of the report dealt with projected declining student population pools. (The full text of the report will be published in INTERCOM.)

"The faculty should provide the vision of what we, as a University, want to be. The task of the policy planners is to reconcile that vision with the evidence of what is possible. From that, we will be able to see more clearly what we ought to be," the committee report said.

Dr. Helen I. Snyder's report on the first year operation of the Basic Skills Program is printed on page 3. In comments to INTERCOM, Dr. Snyder described her year as coordinator of the Basic Skills Program as "exploratory."

"We were looking to see if the structure would work and through the year we discovered some real organizational problems," she said.

She said she was unable to measure adequately effectiveness of Basic Skills courses in aiding passage of the retake tests and in subsequent course work because accurate data was not always forwarded by faculty members. Many reports did not separate students who took Basic Skills courses and tests from those who just showed up to take the tests. Other students were able to bypass the retake tests on the basis of faculty decisions.

"Their (faculty) motives were humane, but it hurt my data collection," Dr. Snyder

said. "It confirms what I've believed — that you can't ask teaching faculty to collect data."

Dr. Snyder said she believes that broader intake and exit tests for the Basic Skills Program are needed in all areas of baccalaureate degree requirements rather than just in English and mathematics. She also advocates a comprehensive examination to test skills prior to graduation and also, perhaps, midway through a student's degree work.

"The University has a right to ask whether or not a student has command of skills," she said.

The full report of the Joint Administrative-Faculty Committee on Insurance Matters will appear in next week's INTERCOM.

In other action, the Senate Committee on Faculty Affairs presented two recommendations to the President of the University which were approved by the Senate. The first recommendation calls for a modification to FS-23 providing that a candidate for tenure whose case terminates at the College level be notified promptly of the decision. The second recommendation proposes that a negative sixth year tenure recommendation by a dean shall not be a final decision if all previous recommendations are positive. In that instance, the case shall be sent up to the University level for review. The recommendation does not apply to Commonwealth Campus faculty where recommendations are reviewed by the DAICC as well as the College dean.

The Senate also approved a wording change in its class attendance policy. The policy now says, in part, "Instructors should also provide, within reason, opportunity to make up work for students who are obliged to miss classes for other legitimate reasons." Previously, that sentence was followed by a list of examples including jury duty, illness, or emergencies beyond the student's control. The Senate voted down a proposal to add religious holidays to the list and then proceeded to strike out the other examples also.

The Senate approved legislation by the Committee on Admissions, Records and Scheduling dealing with admissions requirements for Behrend College. The change will show Behrend as a college of enrollment for fall term, 1979. Currently, prospective Behrend students must first be admitted to any other Penn State College and then become Behrend degree candidates by formally changing colleges of enrollment.

The Committee on Committees and Rules proposed a number of procedural changes aimed at providing a consistent and operable system for the staffing of committees and improving the efficiency of conducting Senate business. All of the proposals were approved.

A proposed amendment to the Constitution and Bylaws was presented to give better Senate representation to graduate students, including medical students, outside of University Park. The change would provide for election of three graduate student senators from University Park and one from another Campus. The present version of the Constitution and Bylaws says that four graduate student senators shall be elected but specifies no location. No action was taken because constitutional changes may not be voted upon at the meeting at which they are proposed. The question will come up for a vote at the September session.

The Ad Hoc Committee on Degree Definitions proposed a description of baccalaureate degrees to be used in the undergraduate catalog. The description was approved by the Senate.

Senators were also presented with a number of additional informational reports. These included the reports of the Subcommittees on Academic Standards, Athletic Standards, Reinstatements, and Recognition of Good Teaching and Advising.

The Advisory Subcommittee to the Division of Undergraduate Studies provided a report of activities along with the Advisory Subcommittee to the University Division of Instructional

(Continued on page 4)

Senate chairman — "of, by and for" the faculty



Dr. Saperstein

Although he only assumed the official duties of Senate chairman this month, Lee W. Saperstein is in his third year as a Senate officer — a term as secretary and another as chairman-elect are behind him. His experiences as an officer and as a member of the Senate since 1972 have provided him with a definite point of view toward his role.

"I think it's very rash of a Faculty Senate Chairman to believe he will accomplish something specific in a single year that people before him haven't been able to do," he told an interviewer.

"I am very sensitive that I am the representative of the faculty. I think the faculty have opinions on the shape and structure of the University, and if I have a goal, it will be to get these opinions expressed."

The Senate officers are not "junior administrators," Dr. Saperstein notes. "We are only there for a year and are intentionally rotated to provide

representation to the faculty. No matter how little aware I may be of the mission of certain areas of the University, I still represent them."

Actually, Dr. Saperstein, a member of the faculty since 1967 and professor and section chief of mining engineering, has been closely associated with many aspects of the University's "mission." In addition, to teaching and research activities, he presides over an associate degree program in mining technology which is offered at three Campuses, as well as over \$450,000 worth of continuing education programs.

"But no one person can ever really have a finger on the structure of a University as big as Penn State," he cautions.

A native New Yorker who graduated from the Bronx High School of Science, Dr. Saperstein went on to earn his B.S. at the Montana School of Mines, and in 1963 was awarded a Rhodes Scholarship. He used it to study at Oxford University.

(Continued on page 4)

Penn Staters

Dr. Robert W. Christina, associate professor and director of the Motor Behavior Laboratory in the College of Health, Physical Education and Recreation, has been elected president of the North American Society for the Psychology of Sport and Physical Activity (NASPPA). The main purposes of the Society are (1) to encourage and promote the study of the relationship of various behavioral sciences to sport and physical activity; and (2) to improve the quality of teaching and research in sport psychology, motor development, and motor learning.

Anthony V. Galanti, associate professor of engineering at Hazleton, has received a National Science Foundation Science Faculty Professional Development Award. The award is designed to help experienced science faculty members improve their effectiveness as science teachers for undergraduate students.

Due to an error on the promotion list, the name of **Harold W. Harpster** appeared as a newly appointed research associate. He is an assistant professor of animal science.

Dr. George W. Brindley, professor emeritus of mineral sciences, has been elected to honorary membership in the French Society of Mineralogy and Crystallography. He was chosen at a special ceremony commemorating the 100th anniversary of the Society's founding, held May 19 in Paris. He is one of only ten honorary members of the Society. Dr. Brindley is known worldwide for his work on clay minerals.

Dr. Parris H. Chang, professor of political science, presented lectures last month on "U.S.-China Relations" at the Singapore Institute of International Relations and at Singapore University. His visit was sponsored by the U.S. Department of State, which also sponsored a talk by him at the Melbourne (Australia) Pacific Institute. Dr. Chang is currently on leave in Australia.

Dr. Robert L. Kabel, professor of chemical engineering, recently returned from a two week visit to Pahlavi University in Shiraz, Iran, where he presented eight lectures on topics including chemical reactor scale-up, catalytic kinetics, and natural removal of atmospheric pollutants.

Three division directors in the College of Human Development have been appointed for interim terms until June 30, 1979, according to Dr. Joseph H. Britton, acting dean of the College. **Dr. Paul O. Woolley**, who served during 1977-78 as acting director of Biological Health, will continue in the post. **Dr. Joe A. Miller** will become director of the Division of Community Development, effective July 1, when **Dr. Walter Freeman**, the current director, returns to full-time teaching and research duties. Effective Sept. 1, **Dr. Fred W. Vondracek** will become director of Individual and Family Studies, replacing **Dr. Paul Baltes**, who will be away on sabbatical leave.

Dr. A. K. Blackadar, professor and head of the Department of Meteorology, was recently appointed chairman of the boundary layer dynamics and air-sea interaction working group of the International Commission on Dynamic Meteorology. This group consists of 20 members representing 11 countries. It was established by the International Association of Meteorology and Atmospheric Physics (IAMAP) of the International Union of Geophysics and Geodesy. Dr. Blackadar is currently chairman of the U.S. National Committee of IAMAP.

Dr. W. Harry Schaffer, Extension southeast area community resource development agent, has been promoted to assistant director of the southeast Extension region. He will supervise programs in Berks, Bucks, Chester, Delaware, Lehigh, Montgomery, Northampton, and Philadelphia counties.

Dr. Gregory L. Geoffroy, associate professor of chemistry, has recently presented invited lectures on his research into the chemistry of transition metal cluster compounds to the Departments of Chemistry of the University of Minnesota, The Ohio State University, and the State University of New York at Binghamton, as well as to the research laboratories of Union Carbide Corporation, Tennessee Eastman Company, and Bell Laboratories.

Dr. John P. Hagen, professor emeritus of astronomy, has received the International Radio Consultative Committee (CCIR) Honor Award for Distinguished Contributions to the committee's international work. The award was presented to Dr. Hagen on June 7 in Kyoto, Japan, at ceremonies marking CCIR's 50th anniversary. One of the world's leading solar radio astronomers, Dr. Hagen served as chairman of CCIR's U.S. Study Group 4, which was established in 1960 to deal with problems relating to space and radio astronomy.

Dr. Theodore Kantner, assistant professor of family and community medicine at Hershey, presented a paper, "The Effectiveness of an Antihistamine in Treating Common Cold Symptoms," at the Eighth World Conference in Family Medicine-General Practice in Montreux, Switzerland. The paper was co-authored by Dr. James Crutcher, assistant professor of family and community medicine.

Dr. Richard R. Klimpel, research manager of the engineering analysis, operations research, statistics and thermal research groups of the Dow Chemical Co., has been named adjunct professor of mineral engineering. Dr. Klimpel also serves as Dow's senior consultant on particulate processes and chemical products for mining applications.

He has a B.S. degree in chemistry and mathematics and an M.S. degree in mathematics and statistics from North Dakota State University. He joined Dow in 1964, after receiving his Ph.D. degree in fuel science at Penn State.

Dr. John C. Szychalski, professor of business logistics, has been named editor of *Transportation Journal*, a quarterly periodical for academicians, government officials and executives involved with research and management in transportation and business logistics.

Dr. Frederick M. Williams, associate professor of biology, presented invited talks recently in Mainz and London. In Germany, he spoke at a session on population ecology at the International Symposium of the Academy of Science and Literature sponsored by the German Society for Research. He discussed "Single or Multiple Nutrient Limitations? A Model and Its Ecological Implications." In England, he spoke at the Microbiology Department Seminar at Queen Elizabeth College, University of London.

Dr. Richard C. Bradt, professor of ceramic science and engineering, was recently elected a fellow of the American Ceramic Society.

Dr. Peter H. Given, professor of fuel science, recently delivered the 1978 Lubrizol Lectures, sponsored by the chemistry department of Muskingum College. He spoke on "The Nature of Coal and Thoughts on Its History," and "Coal Chemistry and Coal Liquefaction."



Dr. Harmer A. Weeden is retiring this month with emeritus status as professor of civil engineering.

A member of the faculty since September 1955, Dr. Weeden taught at Bucknell University from 1939 to 1955 and served two years in the U.S. Navy on the Destroyer Escort.

In 1967, Dr. Weeden spent a year as a visiting professor of civil engineering at the University of Hawaii, and he spent a sabbatical leave at the University College, London in 1971. He returned to Europe in 1976 to teach at a summer surveying program in Lampeter, Wales.

Dr. Weeden's most recent research has been conducted through the Office of Remote Sensing of Earth Resources and focuses on the evaluation of soil and rock conditions, as well as on land use, employing computer processing of multispectral scanning data to produce thematic maps. He is the author of numerous technical articles, and of a chapter on air photo interpretation in the forthcoming book, *Remote Sensing in Geology*.

In 1975, Dr. Weeden was named "Surveyor of the Year" by the Pennsylvania Society of Professional Engineers and "Outstanding Advisor" by the College of Engineering.

Dr. Robert F. Neuhaud, coordinator of the Office of Clinical Experiences in the College of Education, is the 1978 recipient of the College's Outstanding Teaching Award. The award recognizes "outstanding performance as teacher, adviser, developer of quality instructional processes, and evoker of professional aspiration and competence."

Obituary

Dr. Lawrence S. Darken, who retired as professor of mineral science last year, died June 7. A member of the National Academy of Sciences, Dr. Darken had been director of the Edgar C. Bain Laboratory for Fundamental Research at U.S. Steel before joining Penn State's faculty in 1972. He was born Sept. 18, 1909, in Brooklyn, N.Y.

Funding Sources

For further information, call 865-1372

(B5-1) The National Science Foundation has set Aug. 15 as the deadline for several programs. The telephone contact number is shown with each program: **Human Geography and Regional Science** (202-632-4289), **Political Science** (202-632-4289), **Sociology** (202-632-4284), **Economics** (202-632-5968), and **History and Philosophy of Science** (202-632-4182). (Ref. OFF Aug. Deadline Dates)

(B5-2) The National Endowment for the Arts has set a July 22 deadline (Jan. 25, 1979 new) on four programs: **Living Cities, Design and Communication, Cultural Facilities Research and Design, and Professional Fellowships in Design**. The telephone contact number for each program in the NEA Architecture Planning and Design section is 202-634-4276. (Ref. OFF Aug. Deadline Dates)

(B5-3) The NIH Behavioral Research Related to Smoking program has a July 1 deadline (Nov. 1 next). The program contact number at the NIH Center for Research for Mothers and Children is 301-496-5097. (Ref. OFF Aug. Deadline Dates)

Three chosen for Provost's fellowships

Three faculty members have been chosen to receive Provost's fellowships to attend the Summer Institute for Women in Higher Education sponsored by Bryn Mawr College and Higher Education Resource Services-Mid Atlantic (HERS).

Provost Edward D. Eddy said that participants were chosen from a group nominated by University deans and directors of Penn State's Campuses.

Chosen to attend the Institute are Barbara Bleau, assistant professor of mathematics at Capitol Campus; Dr. Carol Cartwright, associate professor of education at University Park; and Dr. Marietta Raneri, assistant professor of English at Delaware County.

The Institute is designed for professional women in higher education who wish to prepare themselves for further administrative responsibilities. The session will be held July 5-28. Emphasis will be on academic governance, finance and budgeting, management skills, administrative uses of the computer, and professional development.

Professor Bleau serves as undergraduate coordinator for the Business Administration program at Capitol Campus. She received the 1976 James Jordan Award for Teaching Excellence and recently completed a project in which she produced a remedial mathematics workbook. She received her B.A. in mathematics from Ohio Wesleyan and her M.A. from Case Western Reserve University. She has also done graduate study at the University of Illinois.

Dr. Cartwright is completing work on several books and has an extensive record of publication and research. Along with her husband, Dr. G. Phillip Cartwright, professor of special education, she co-authored a book, *Developing Observation Skills*, published in 1974. She has also produced handbooks on identification of handicapped children and diagnostic teaching of pre-school and primary school children. She received both her M.Ed. and her Ph.D. degrees in special education from the University of Pittsburgh.

Dr. Raneri was 1977-78 chairman of the Delaware County Campus Faculty Senate and serves on the Campus Budget Advisory Board. She has done research into the writing of Donis Lessing and is presently developing a new Liberal Arts course dealing with "Investigating Change." She earned both the M.A. and Ph.D. degrees in English from the State University of New York.

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A Report on the

Basic Skills Program's First Year

I shall try to make two points today: the current status of the students identified as being in the Basic Skills categories, and the revised view of the dimensions of the "Basic Skills problem" occasioned by some analyses of the relationship of SAT scores to placement test scores.

Table 1a includes data already presented to you in November by the chairman of the Committee on Basic Skills. It adds the numbers of Basic Skills students located in the winning and losing groups. Proportions have been spring adjusted significantly, only the total number changed, the numbers of students in each Basic Skill category into a percentage. You will note that the total number of students in Basic Skills remains at 25 percent of the incoming class. I wish to emphasize the ephemeral quality of that value; the cut-off scores for the placement test are set by the cognate faculties on the basis of professional judgment. They are not empirically derived; the percentage, therefore, could easily be raised to the 50 percent reported in the 1978 AAHE report or to a value as low as 10 percent simply by moving the scores. It is important for us to realize that these 25 percent, therefore, are in all likelihood part of a much larger group showing some level of disability in basic writing and computation skills.

It has been impossible to disentangle the effects of taking a special course, i.e. English 4 or Math 0, from the effects of self study for two reasons. First, faculties and advisors exercised a great deal of freedom in devising ways for students to clear their records. Some students were permitted to bypass the retake tests and courses on the basis of faculty decisions that the placement test scores must have been wrong. Others assigned students to the Basic Skills courses although the placement scores were high enough to place students in the regular sequence of coursework. Second, the reports sent to the Basic Skills office, requests notwithstanding, did not separate those students who took the course from those who showed up just to take the test. In English, that may not have mattered anyway since, with the Curriculum Affairs Committee's approval, English 4 is prerequisite to English 10. The result is that any other means of removing the writing deficiency is virtually ruled out.

The consequences has been that I cannot perform the evaluation which was a large part of my charge: to ascertain the effectiveness of the Basic Skills courses in passing the retake tests and in subsequent coursework.

The next set of data, Tables 2a and 2b, have good news and bad news in them. Table 2a shows the numbers of students passing the course or otherwise removing the deficiency over the four testing periods; 3109 records of Basic Skills deficiency were removed. You recall from the November report that about 23 percent of the students thus identified were deficient in both English and mathematics; hence the total in the last column of Table 2b shows the number of persons while the totals in 2a show the number of instances.

The bad news is in the middle row of Table 2b. 344 or 12 percent of the students in the Basic Skills categories failed to remove the deficiency or deficiencies in the fourth testing. This does not include students in their first or second term; only those in the third or fourth term are in that number. It is disappointing that the number is that high. Anne Herpel and others in Vice President Dunham's office will be checking each of these 344 cases individually. We may hope that some will have dropped out earlier and thus not, in fact, be third-termers.

The number cannot be higher than 344; everyone hopes it will be lower since this is the group to which the Senate decision on drop action (from degree status) applies.

A comment about the value after Withdrawals, etc. There are more first- and second-termers in Basic Skills than are in that value;

many have already removed their deficiencies by taking the course and/or test.

My second point is to show you some analyses I have made of broader scholastic measures and to suggest to you a somewhat different interpretation of the "Basic Skills problem." I became increasingly dissatisfied with the

implication that an arbitrarily established cut-off score on homemade tests could identify "real" subpopulations within the class. So, with Ralph Lochlin's assistance, I carried out a two-step analysis of the relationship between SAT verbal-mathematics scores and the relevant placement test scores. The regression coefficients were positive but not strong. Then I constructed the probability curve from the question: What is the probability that a student in the 1st SAT interval will score at or below the cut-off score on the placement test? The resulting curve is in Figure 1. It is apparent why the regression coefficients were not as high as would be expected; there is "noise" in the relationship. At about SAT-verbal 450, the near-zero probability of failing to surpass the cut-off score ends abruptly. With each succeeding lower interval of SAT-verbal scores, the probability climbs higher so that segments of the curve begin to look like an exponential increase. Similarly with the SAT-mathematics scores, except the "break" occurs at the 500 score. The interpretation I put on this distinctive break is that we have inserted probes into a broader scholastic aptitude measure which separate our incoming freshman class into two populations. The placement test scores could be set at any level — preferably derived empirically. I should add: We will thereby distinguish between those students whose overall scholastic aptitude is high enough that they are unlikely to need instruction in the skill being tested locally, and the rest who will need increasing amounts of instruction, testing, monitoring and evaluating throughout their careers at Penn State. The point is that we would be almost certain to find a similar "break" in any other measure of scholastic aptitude for which we wished to write a local test, e.g. oral communication, analytic thinking, problem solving ability, and so on.

The question arises: How many of the latter group are we likely to find? The bell shaped curve shows the distribution of SAT-verbal mathematics scores for the fall '77 class. It is obvious that about 60 percent of our new students have SAT scores to position them at or below the "break." We are not talking about 2988 students, ladies and gentlemen; we are talking about something over 6000 students who will need instruction, counseling on academic plans, evaluation and monitoring throughout their tenure at this institution.

My interpretation runs counter to the prevailing theme that Basic Skills deficiencies are merely an unfortunate hiatus in the student's store of knowledge; it follows that a dose of high potency basic skills instruction will correct the matter. And once the high schools realize the universities are unhappy with the way they are teaching, they'll mend their ways. Quite the contrary, in my view. The high schools' and elementary schools' faculties have been telling us for nearly five years that something was terribly wrong with students' aptitude, motivation and general quality. We have, to repeat a comment many of you have heard me make repeatedly, a massive cultural shift occurring — world wide — which shows itself within our bailiwick as lowered scholastic aptitude. Every European system, the Russian school system, mainland China, the Arab countries all report steadily declining scores on measures of general scholastic aptitude. Invariably, they first show up as declining competence in the fundamental skills of operation and manipulation of ideas. The really alarming thing is that the decline remains steady although conditions change. The Wirtz Commission reported that the decline in SAT scores up to 1965 could be attributed to a changing mix in the college-bound population; that did not account for the decline at the same rate — in 1970. We should have paid more attention to the implications of that fact.

My last figure represents my own effort to foretell what is in store for us at Penn State. I plotted the mean SAT scores at Penn State from 1967 to 1975 against the national means for the same years to get the appropriate regression values. Then I did a visual "best-fit" extension of the national means to 1988; using the regression alpha values, I calculated the resultant predicted mean SAT scores at Penn State for the same decade. The results so shocked me that I rummaged through the literature, searching for hard evidence that the SAT decline has "bottomed out." I found no such evidence.

Let me conclude with the comment of a colleague recently when I showed him these figures. He said, "Well, for a good many years, the kids have been bright enough and motivated enough that it really didn't matter too much how we taught; they'd learn on their own. Now, I guess, we'll find out whether we can teach." To which I can only add, "Amen."

Helen I. Snyder,
Coordinator

Table 1a
Students in Basic Skills Categories
by Term of Admission

Term	Basic Skills	Total Admissions	% B. Sk.
Summer & Fall '77			
English	1697	11,275	15
Mathematics	1824		16
Winter, '78			
English	34	321	11
Mathematics	69		21
Spring, '78			
English	14	213	7
Mathematics	28		13
Totals	3666	11,809	na

Table 1b
Percentages of Students in Only One
or in Both Categories of Basic Skills

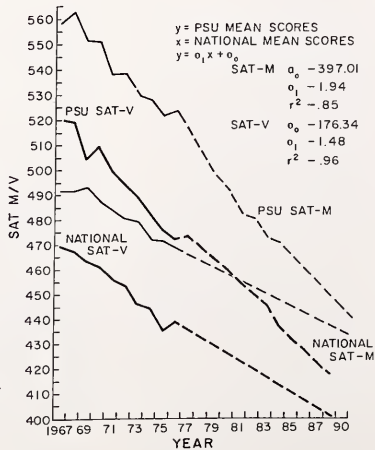
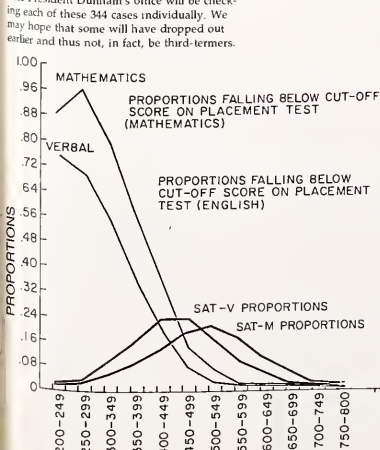
Total Admissions	English	Basic Skills Categories	Both	Total Persons
11,809	1067	1243	678	2988
	= 9%	= 11%	= 6%	= 25%

Table 2a
Numbers of Students Passing
Basic Skills Tests or Courses

Term Passed	English	Mathematics
August, '77	52	478
November, '77	1252	544
February, '78	185	353
May, '78	51	194
Total tests/courses passed	1540	1569

Table 2b
Status of All Students in
Basic Skills Categories

Status	English	Mathematics	Both	Total
Passed	880	909	660	2449
Failed & in 3rd term	58	268	18	344
Withdrawn or in 1st/2nd term	xx	xx	xx	195
Total	938	1177	678	2988



Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Editor's note: The officers of the University Faculty Senate recently put together a list of questions dealing with non-academic policies and procedures. Since a number of these questions are of general interest to the University community, we are publishing them, along with the responses to them, in INTERCOM.

QUESTION:

With what rationale were the policies on check-deposit of continuing part-time faculty and staff developed? At the present time, such checks can only be obtained at Shields, causing inconvenience and a sense of second-class citizenship to personnel, as well as a need for more tellers at the Bursar's Office.

ANSWER:

Checks for Fixed Term faculty may be deposited under the same provisions as those for faculty on Standing Appointments. Wage payroll (part-time) staff present a problem in that the amounts of the paychecks usually vary from pay period to pay period, and we presently have no convenient and secure method for notifying each individual of the amount of his or her paycheck. We would like to be able to do something about this, and we are working on it, but right now there are problems which prevent it from becoming a reality.

Steve A. Garban
Controller

WPSX Highlights

Every year, thousands of Americans from across the country gather at Oshkosh, Wis., for the largest aviation event in the world, the annual Experimental Aircraft Fly-In. Friday, June 9, at 9 p.m., *Affair in the Air* captures the excitement of the eight-day event with its antique and homebuilt aircraft, stunt flyers and famous pilots.

Beverly Sills, John Alexander, Susanne Marsee, and Richard Fredericks star in *Roberto Devereux*, Sunday, June 18, at 10 p.m. on *In Performance at Wolf Trap*. Donizetti's opera tells the tragic love story of England's Queen Elizabeth I and the Earl of Essex.

It has been 25 years since Julius and Ethel Rosenberg were executed for conspiring to sell U.S. atomic secrets to the Soviet Union. On the anniversary of their death, a 90-minute special called *The Rosenberg-Sobell Case Revisited* reexamines the facts and the possible cold-war prejudices that led to the Rosenbergs' conviction. The special will be broadcast Monday, June 19, at 9 p.m.

James Michener returns to the vast, sun-drenched Pacific to examine its unique cultures on *James Michener's World*, Tuesday, June 20, at 8 p.m. The hour-long tour, "The South Pacific: End of Eden?" takes viewers to such places as New Guinea, New Zealand, Bora Bora and Guadalcanal. Mr. Michener offers viewers one of the last chances to see this region "before it plunges into the mainstream of modern life."

Good Mornin' Blues, an hour-long special, to be seen Tuesday, June 20, at 9 p.m., explores the Mississippi Delta roots of country blues music, which has provided the basis for rhythm and blues, rock and roll, soul, and other forms of modern music.

Calendar

June 15 - 25

Special Events

Thursday, June 15
Commons Kaleidoscope, "Remember the Ladies," noon, Kern lobby,
HUB Craft Center course registration, noon-5 p.m., Room 312 HUB.

Friday, June 16
Last date for registering with foreign language departments (other than French and Spanish) for written language examinations.
HUB Craft Center course registration, 7-10 p.m., Room 312 HUB.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 17
Penn State Open, chess games, all day, Room 301 HUB.
HUB Craft Center course registration, 10 a.m.-6 p.m., Room 312 HUB.
Cinema Internationale, *Magical Mystery Tour*, 1967 Beatles TV Special, and *Jim Plays Berkeley*, documentary of a 1970 performance, two complete showings, 7 and 9 p.m., Room 112 Kern.

Sunday, June 18
Penn State Open, chess games all day, Room 301 HUB.
Free U course registration, 1-6 p.m., HUB ballroom.
Cinema Internationale, *Magical Mystery Tour* and *Jim Plays Berkeley*, 7 and 9 p.m., Room 112 Kern.

Monday, June 19
Free U course initiators workshop, 8-10 p.m., HUB reading room.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Wednesday, June 21
Late registration deadline (10 week term).
Add deadline (10 week term).
Commonspace Theatre, *Bananas*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, June 22
Commons Kaleidoscope, "Candyland America," noon, Kern lobby.

New Senate head

(Continued from page 1)

where he received his D.Phil. in engineering science.

Dr. Saperstein believes that helping with the planning of Penn State's role in the 1980s will be one of the Senate's most important tasks in the year ahead. He hopes to provide its various committees with a set of suggested topics to study.

The maintenance of academic quality at the University is a matter of serious concern to him.

"As far as I can tell, quality depends on the faculty and students, with the faculty imposing certain demands on the students in terms of courses and programs," he continues. "The level at which we expect students to perform is a measure of quality."

"How do we square this with the fact that 10 percent of our freshmen may be provisionally students? Should the University perhaps be smaller?"

"During the next month, I hope to put together a set of questions that pertain to the future of the University and then sort them out into topics that can be studied by Senate committees."

"After discussing these issues, perhaps the Senate can arrive at an opinion that I would hope the administration might respect — or at least by airing any faculty discontent, we could gain administrative understanding of it."

"I've joked that if the administration disappeared, the faculty could reinvent it. But if the faculty disappeared, the administration would have to go home."

"Of course the Senate includes students and administrators, but basically, it's 80 percent faculty, and I believe that's where the Senate officers owe their allegiance."

Festival Theatre, Neil Simon, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, June 23
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.
Spectrum, "An Evening with Gordon MacRae," 8 p.m., Eisenhower Auditorium.

Saturday, June 24
Cinema Internationale, *Cabaret*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *The Sunshine Boys*, 7:30 p.m., The Pavilion Theatre.

Sunday, June 25
Festival Theatre, *The Sunshine Boys*, 7:30 p.m., The Pavilion Theatre.

Exhibits

Chambers Gallery: Deborah Conway, ceramics; Ken Hall, silkscreen collages.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m. Steidle Bldg.

Frost Entomological museum: open 9 a.m.-noon, 1-4:30 p.m., weekdays. Live aquatic insects; live seasonal insects. Room 102 Patterson.

Hammond Gallery: William Mayer, MFA thesis exhibition, opens June 25.

Kern Commons Gallery: Bonnie Deutsch, jewelry, through June 24; Doris Coyle, oil paintings, Weislaw Zdaniewski and Dennis Charrerie, photographs, open June 24.

Museum of Art: Robert Kulicke, painter, designer, craftsman, through June 25; special exhibition on Jerome Witkin's *Painter's Crossing*: American paintings and contemporary American prints from the Permanent Collection.

Pattee Galleries: David Balas, photographs, "Tribute to John O'Hara," East Corridor Gallery, and Thomas Bewick, "British Birds," main lobby, both through June 20.

Robertation Cultural Center: Bilke Veitch-Kernon, silk-screen photos illustrating Jamaican protests, opens June 17, Walnut Bldg.

Sackett Gallery: PSU architecture students, "The Architectural Component of Light," drawings, photos and models.

Senate meeting

(Continued from page 1)

Services.

The Committee on Student Affairs, Awards and Scholarships presented a summary review of research and the Curricular Affairs Committee reported on procedures and course level definitions.

The Faculty Affairs Subcommittee on Part-Time Faculty also presented a report.

As a result of the Senate elections, Dr. George W. McMurtry, professor of electrical engineering, was named chairman-elect of the Senate and Dr. George W. Franz, assistant professor of history, was elected secretary. Dr. John J. Cahir, associate professor of meteorology, was elected to the Faculty Advisory Committee.

Dean James B. Bartoo of the Graduate School, Dr. Philip A. Klein, professor of economics and Dr. Jacqueline L. Schoch, associate director of academic affairs at DuBois Campus, were named to the Faculty Rights and Responsibilities Committee. Alternates are Dr. Miles T. Pigott, professor of engineering research; Dr. Donald E. Fahlman, assistant professor of physics at Altoona Campus; and Dean Stuart Forth of the University Libraries.

Elected to the University Promotion and Tenure Committee were Dr. John Kolesar, professor of engineering at McKeesport Campus; Dr. Arthur O. Lewis Jr., associate dean of the College of the Liberal Arts; and Dr. Robert F. Schmalz, professor of geology.

Dr. Helen A. Guthrie, professor of nutrition, was named to the Standing Joint Committee on Tenure; Dr. Russell A. Reed, assistant professor of chemistry at Berks Campus, is the alternate.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1300 (network line 475-1837). Applications for these vacancies will be accepted until 5 p.m., June 22. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as disabled or Vietnam era veteran.

SCANNING ELECTRON MICROSCOPY TECHNICIAN — COLLEGE OF AGRICULTURE, University Park Operate scanning electron microscope. Prepare specimens of biological materials for scanning electron microscopy, including critical point drying and sputter coating. Perform minor maintenance on scanning electron microscope and support equipment. Take pictures of images with camera; assist with other photographic work related to microscopy. Assist with the operation of the preparation of samples for transmission electron microscope and light microscopes. Bachelor's degree or equivalent in one of the life sciences and from six to 12 months of effective experience. Electromechanics course work or experience desirable.

LEAO SYSTEM DEVELOPER — INTERCOLLEGE RESEARCH PROGRAM, University Park Responsible to the Manager of the Systems Development Group in the Computer Center in providing technical leadership and coordinately developing of major computer systems. Responsible for operating systems, major modifications of existing available system software, and the development of complete subsystems. Generates and researches proposals for new operating system enhancement projects. Provides leadership in group reviews, design and code in accordance with accepted programming productivity standards. Master's degree (or equivalent) in computer science or related discipline, plus over four years' to seven years' experience in system programming and system development on large IBM system under MVT or MVS. Demonstrable technical leadership ability.

GREENHOUSE SUPERVISOR — COLLEGE OF AGRICULTURE, University Park Direct retail sale operation of the greenhouse. Coordinate wholesale operations with local florists. Assist faculty in preparing demonstration projects for class work. Teach laboratory topics as directed. Supervise the overall operation of the greenhouse and related facilities including planting, fertilizing and harvesting plant material. Responsible for maintaining appropriate levels of materials and supplies to include pots, fertilizer, pesticides, etc. necessary for greenhouse operation. Supervise the dispensing of materials and supplies. Bachelor's degree or equivalent in horticulture or related science, plus at least 15 credits of graduate work in horticulture or six to 12 months of directly related experience. Management experience is highly desirable.

RESEARCH AIOF — COLLEGE OF AGRICULTURE, University Park Act as liaison between University and Hybrid Breeding Program of the Pennsylvania Foundation Seed Corporation, and the Hybrid Seed Corn Industry in relation to the Experimental Corn Hybrid Evaluation Program. Supervise and participate in the data collection, data processing and data interpretation of program results. Supervise the design and planting of hybrid crops at various research sites. Responsible for locating and arranging planting test sites with farmers and maintain cooperative relationships to insure program success. Bachelor's degree or equivalent in plant science, plus six to 12 months of directly related experience. Practical experience in statistical procedures and data processing routines desired.

VETERANS AFFAIRS ASSISTANT — ADMISSIONS, Capital Campus Responsible for Office of Admissions and Registration of the dissemination of information relative to veterans' veteran students, and for information concerning various campus related services. A bachelor's degree or equivalent outside study or training, plus over 12 months of up to and including 12 months of directly related experience. Military service experience highly desirable.

STAFF PHARMACIST — PHARMACY, Herney Responsible to the Assistant Manager of Pharmacy Supervisor to perform pharmaceutical functions of inpatient and outpatient dispensing, intravenous admixture and hyperalimentation preparation, extemporaneous compounding, providing drug information to physicians, students, nurses and patients. Maintain inpatient and outpatient drug profiles, enter Formulary regulations and maintain required pharmaceutical records and inventory levels. Bachelor of science in pharmacy, plus one to two years of directly related experience. Pennsylvania registration in pharmacy eligibility required.

Penn State Intercom



Coming up: Erick Hawkins Dance Company (above), Archie Smith (left) and Bruce Hall in *The Sunshine Boys*, and singer Gordon MacRae.

News in Brief

July 3 is not a holiday

Questions have arisen concerning the observance of Independence Day at the University. According to the Office of Personnel Administration, although certain holidays such as Memorial Day have been moved to Mondays and are observed as extended weekends in most states, Independence Day has not been moved.

This year, Independence Day falls on Tuesday, and the University will observe the holiday on Tuesday, July 4, along with the rest of the nation. Monday, July 3, will be a regular work day.

College of Medicine receives accreditation

The College of Medicine has been awarded full accreditation for a period of eight years by the Liaison Committee on Medical Education (LCME).

The LCME, composed of representatives of the American Association of Medical Colleges and the American Medical Association, is responsible for evaluating and accrediting all the education programs in the nation leading to the M.D. degree. The accreditation was based on a review of in-depth written reports and on-site interviews of faculty, staff and students made in October 1977.

Noting with pleasure the fact that the College of Medicine received full accreditation for such an extended period, Dr. Harry Prystowsky, Medical Center provost and dean, also pointed to the fact that the College's next review will be in conjunction with that of the entire University in 1985-86 by the Commission on Higher Education of the Middle States Association. "We appreciate the Liaison Committee's recognition that the College of Medicine is an integral part of the University," he added.

The College first received reasonable assurance of accreditation from the Liaison Committee in 1965. Provisional approval was granted in 1967, and full accreditation was awarded for two years in 1971 and five years in 1973.

Junior golf lessons available

Junior golf lessons for boys and girls, ages nine through 16, will be offered again this summer. Lessons will be given two times a week for four weeks, beginning the last week in June. For registration and further information, contact the Penn State Blue Golf Shop, 865-7462.

RACE nears goal of 200 members

One hundred sixty persons have thus far joined Runners Act to Clean Environment (RACE), an organization established a month ago at the University.

"We are rapidly approaching our goal of recruiting at least 200 members by Aug. 1," said Dean Robert J. Scannell of the College of Health, Physical Education and Recreation, who is co-director of RACE.

"The excellent response to date indicates that a lot of local residents are willing to do their part to clean up the environment," he added. "All we ask is that members pick up at least two cans or

(Continued on page 3)

Summer brings varied arts programs to campus

Singer Gordon MacRae, whose career has spanned four decades and included Broadway musicals, the movies, radio, television and recordings, will perform at 8 p.m. tomorrow (June 23) in Eisenhower Auditorium. The event is the first of the Nittany Mountain Summer Festival Spectrum series.

Mr. MacRae, who made his singing debut with the bands of Les Brown and Harry James at the New York World's Fair of 1939-40, is perhaps best known for his starring roles in the motion picture musicals, *Oklahoma!* and *Carousel*.

During the 1940s, he was the singing star of the radio series, "The Railroad Hour," and in 1954 he began producing "The Gordon MacRae Show" for television.

On Broadway, Mr. MacRae first appeared in the 1942 production of *Junior Miss*. In 1946 he was featured with Ray Bolger in *Three to Make Ready*, and in 1967 he returned to Broadway to star in *I Do! I Do!*

Tickets for all Nittany Mountain Summer Spectrum events are on sale at the Eisenhower box office from 10 a.m. to 4 p.m. Monday through Friday and beginning at 5 p.m. on evenings of performance.

The Sunshine Boys, a comedy by Neil Simon, opens in the Pavilion Theatre tonight and continues there through Sunday, July 9, with performances on all days except Mondays. The production is the first of this summer's Festival Theatre, which will present four plays over an eight-week period.

Other plays on the summer schedule are *Candide*, the Leonard Bernstein musical, which opens next Thursday, June 29, at the Playhouse Theatre; *Li Ann Hampton Laverly Oberlander*, one of the *Texas Trilogy* by Preston Jones, which opens July 20 in the Pavilion; and *An Offer You Can't Refuse*, a new play by Penn State alumnus Samuel Gallu, opening July 27 in the Playhouse.

The Sunshine Boys, which centers on the encounter between two retired vaudeville performers who are reunited for a TV special, was first produced in New York in 1972 and later made into a motion picture.

Appearing in the roles of the reunited entertainers in the Festival Theatre production are Archie Smith, an associate professor of theatre at the University and a veteran character actor, and Bruce Hall, a professional actor with extensive experience in local, regional and Broadway theatre. David Wurst, who portrays the agent who arranges the

reunion, is returning to the University for his second Festival Season. He appeared in last year's production of *The Last Meeting of the Knights of the White Magnolia*.

Other members of the cast include Liz Kramer, Tom Spivey, Lowell Manfull, Douglas N. Cook and Joan Cook. Robert Leonard is directing the production.

As part of Festival Theatre offerings, "Behind the Scenes" events are planned for each production to allow interested persons to interact informally with the show's director, technical staff and actors. "Behind the Scenes" for *The Sunshine Boys* will take place at 2 p.m. Saturday, July 1, in the Pavilion. Tickets are free and are available at the Playhouse box office in the Arts Bldg.

The box office is selling tickets to all Festival Theatre performances. Hours are 10 a.m. to 9 p.m. daily. Information and reservations are available by telephone at 865-1884.

□

The Erick Hawkins Dance Company, a contemporary dance troupe, will perform at 8 p.m. Wednesday, June 28, in Eisenhower Auditorium as the second offering of this season's Nittany Mountain Summer Festival.

(Continued on page 4)

Penn Staters

Dr. Jan S. Prybyla, professor of economics, has written a book, *The Chinese Economy: Problems and Policies*. The book has just been published by the University of South Carolina Press. It is an up-to-date analysis of the various problems facing Communist China's economy and the policy solutions offered in the fields of population, agriculture, industry, money and banking, transport and communications, domestic and foreign trade, and health and education. Prof. Prybyla visited the People's Republic of China in 1974 with the Penn State delegation, and also visited Taiwan in 1976 and again this year. He is the author of *The Political Economy of Communist China* published in 1970 and of numerous articles on the Chinese economy.

Patricia Ward, associate professor of French and comparative literature, was recently elected to serve as national vice-president of the Conference on Christianity and Literature from 1978-1980. CCL is a professional organization for teachers interested in the relationship between religion and literature, particularly from the perspective of Christianity.

Robert Trehy, professor of music, was featured soloist in a pops concert of the St. Louis Symphony on June 3. He appeared with the Detroit Symphony in two similar concerts on May 24 and 25.

Dr. Joseph Jordan, professor of chemistry, presented invited talks last week at Louis Pasteur University in Strasbourg, France, on recent advances in bioelectrochemical modelling of hemoproteins and Vitamin B12. He also gave a seminar at the Laboratory of Interfacial Electrochemistry of the French National Science Foundation in Bellevue near Paris.

Dr. Roger P. Ware, associate professor of mathematics, presented a series of invited talks on quadratic forms at Konstanz University and at the Conference on Quadratic Forms in Oberwolfach, both in West Germany. He also spoke at Johannes Kepler University in Austria.

James I. Tarman, associate director of athletics, has been elected to the Board of Trustees of Gettysburg College as an alumni trustee. He will serve a six-year term.

Dr. Arun Kilara has been appointed assistant professor of food science. A graduate of the Dairy Science College, NDRI of Karnal, India, Dr. Kilara did graduate work in dairy and food science at the University of Saskatchewan and received his Ph.D. in food science and technology from the University of Nebraska.

Robert Blackston has been promoted to assistant professor of history at the Altoona Campus.

Dr. Harold Sargent, director of the Shenango Valley Campus, has been elected chairman of the Council of Commonwealth Campus Directors, and Hugh Barclay, director of the Fayette Campus, was elected vice-chairman.

Thomas J. Pelick and **W. Jack Hughes** have been promoted to the position of research associate at the Applied Research Laboratory.

Retirements

An association with Penn State which began in 1930 is ending with the July 1 retirement of **Henry I. Herring**, director of the Schuylkill Campus and associate professor of mathematics.

Mr. Herring started as director of the then-named Pottsville Center in 1949, and he supervised its move to the present

campus east of Schuylkill Haven and its growth from 120 students to the current population of 650 full-time students.

Mr. Herring is a Penn State alumnus, having earned a B.A. in education in 1934 and his M.A. in mathematics in 1935. He also took graduate work in meteorology at the Massachusetts Institute of Technology while serving in the Army Air Force from 1942 to 1946. He retired with the rank of the Captain. From 1936 to 1942, he was a teacher of mathematics and science at Cressona High School.

Active in community affairs, Mr. Herring is a past president of the Pottsville YMCA, the Schuylkill County Anti-Tuberculosis Society and the Pottsville Rotary. He has also served as chairman of the Pottsville Area School Authority and as a member of the board of the Pottsville Benevolent Society for Children.

Everett R. McLaughlin, professor of engineering research, retires June 30, with the title professor emeritus, after 37 years of service to the University.

Prof. McLaughlin, who received his B.S. and M.S. degrees in mechanical engineering from Penn State, joined the faculty in 1941 as an instructor in the Engineering Experiment Station. In 1945, he was promoted to associate professor, and in 1966, to professor. In 1969, he transferred to the Department of Architectural Engineering.

Prof. McLaughlin has been a member of the graduate faculty in the mechanical engineering department and has supervised master's degree theses in both mechanical and architectural engineering.

His research has focused on the building industry, especially heat and moisture transmission of building materials, condensation, icing, infiltration, water leakage, solar heat gain and dehumidification.

Working successfully on problems dealing with transient heat transfer in structures, Prof. McLaughlin has carried out many of his studies in the Thermal Research Laboratory. He has published some 25 articles and technical papers and has served as a consultant to more than 45 companies.

Otto E. Mueller, assistant vice-president for Housing and Food Service Operations, will retire July 1 after almost 25 years of service with the University.

A graduate of the University of Wisconsin, Mr. Mueller also served as housing bureau director there.

He came to Penn State in 1953 as director of Housing. In 1962 he was made director of Housing and Food Services and became assistant vice-president in 1971.

When he arrived, the University enrollment was only 11,500 students with 5,100 living on campus. Today, the University's Housing and Food Service Operations house more than 15,000 students and provide more than 30,000 meals each day during the term.

Mr. Mueller is a past president of the National Association of College and University Housing Officers. In 1977, he was the recipient of the Distinguished Ivy Award in recognition of the outstanding quality and excellence of the University Housing and Food Service Operations.

Dr. T. Sherman Stanford, special assistant to the senior vice president for administration, is retiring from the University after more than 25 years of service.

He joined the University's main campus staff in 1953 as assistant college examiner and was named associate dean of admissions in 1958. He became director of admissions and registrar in 1965, and two years later he was appointed director of academic services, a position he held for four years. He served then as assistant to the provost and vice president for academic affairs until 1973 when he assumed his present position.



McLaughlin



Herring



Stanford



Mueller

After graduation from Sheffield, Pa., High School, Dr. Stanford received a B.S. from Thiel College in 1936 and his M.S. and D.Ed. from Penn State, in 1939 and 1955, respectively.

Before coming to University Park, he was director of admissions of Lycoming College, where he also served as associate professor of chemistry and principal of Ridgway High School. He served as a captain with the U.S. Marine Corps in World War II.

Dr. Stanford has been active in many State and national professional organizations. He served as vice president and president of the Middle States Association of Collegiate Registrars and Officers of Admissions and as president of the Pennsylvania Association of College Admissions Counselors.

He was a member of the Pennsylvania Department of Education Committee on Student Admissions Application Problems, as well as of the Department's Advisory Committee on Vocational Educational Management Information Systems. He was also appointed to the National Planning Council for Subject Matter Taxonomy.

The author of numerous professional papers, Dr. Stanford received the Distinguished Alumni Award of Thiel College and was a member of the Board of Directors of Lycoming College.

Two members of the York Campus faculty, with more than 20 years of service to the University between them, have retired.

Kenneth B. Shiffert, associate professor of physics, began teaching at York as a part-time graduate math instructor for engineering students during the early '60s, and assumed his full-time position in 1968. He earned B.S. degrees in both physics and education from Muhlenberg College, and his M.S. in physics and mathematics from Lehigh University, where he also completed doctoral courses in physics.

Before assuming his teaching post at the Campus, he was a research physicist and engineer at Borg Warner Corp. and was principal engineer in systems and design analysis at Bendix Corp.

Assistant professor of engineering John H. Partridge has every intention of



Czekaj

starting a third career upon his retirement from Campus teaching. His first retirement came in 1965 after serving 30 years in the Marine Corps. He then went on to complete an M.Ed. in general engineering at Penn State. He holds a B.S. in electrical engineering from the U.S. Naval Academy at Annapolis. Prof. Partridge's first choice of new careers is to become a minister.

Ed Czekaj, director of athletics, is marking his 25th year with the University.

As most followers of Penn State football are well aware, Mr. Czekaj's association with the University dates back well before he was hired as assistant graduate manager of athletics in 1953. Mr. Czekaj is a 1948 Penn State graduate and played on the undefeated 1947 football squad.

A native of Mt. Pleasant, Pa., he was on the athletic staff of The Johns Hopkins University and served a hitch in the Marine Corps before coming to the University. He received his M.Ed. from the University in 1954 and was named ticket manager and assistant business manager a year later. In 1957 he was named business manager, and he assumed the post of associate director of athletics in 1967. Two years later, he succeeded Dean Ernest B. McCoy, who was retiring, as athletic director.

Informational Report of the Joint Administrative/Faculty

Insurance Matters Committee

The Committee has reviewed the personnel-related insurance package of the University with regard to current coverages, possible current coverage improvements, and potential additions to the program. The insurance needs of the faculty and staff are continually under review in the effort to obtain a comprehensive package that will yield the greatest benefit for the dollars expended.

The University philosophy with respect to the faculty and staff benefit package has been to develop a program that will cover the individual employee and his or her family at a time when he may be subjected to a heavy out-of-pocket medical payment in contrast to attempting to cover every first dollar of cost incurred. Consideration of insurance benefits should include the entire University community—the faculty and the staff. Normally group insurance programs require the participation of at least 75 percent of the people involved.

INSURANCE PLANS REVIEWED:

Eleven separate features pertaining to the employee insurance benefits package were placed before the Committee for review. Some of these represented overall coverage complaints and dissatisfactions expressed by employees to Personnel Administration. Others were listed as a result of the concerns expressed by members of the faculty and staff with respect to new inclusions which could provide more extensive coverage to the program. In each case, details of plan coverages and approximate costs associated with the features of each plan were made available by Personnel Administration to the Committee. The 11 items examined were:

1. In-hospital doctors' fees—Unicare
2. "Within 24 hours of accident" rule—Unicare
3. Outpatient x-ray and laboratory maximum—Unicare
4. Maternity benefits—Unicare
5. Multi-Major Medical Deductions within the family unit—Unicare
6. Major medical maximum—Unicare
7. Prescription drug insurance
8. Vision care insurance
9. Dental care insurance
10. Total and permanent disability coverage (TIAA-CREF)
11. Annual physical exams

The Committee assigned three of the above items to a lower priority which reserved them for future consideration. This was done because either increased coverage action had been implemented within the last year, present coverage was considered to be adequate, or the proposed coverage was too costly for the value returned to the employee. Those items were, respectively, maternity benefits, outpatient x-ray and laboratory maximum benefit, and prescription drug insurance. A brief statement concerning each is warranted:

Maternity benefits—Increased July 1, 1977. The plan now reimburses up to \$600 for mother's hospital expenses and up to \$350 for the doctor's charge for a normal delivery.

Outpatient x-ray and laboratory benefit—Provides up to \$100 per year for such services for each insured person. Additional charges are covered under major medical subject to the \$100 deductible.

Prescription drug insurance—Prescribed drugs are covered under the major medical benefit subject to the \$100 deductible. The remaining eight benefit packages were examined in greater detail, and these are outlined here without regard to a particular priority. It must be emphasized that all cost information associated with each of the following is to be considered as approximate.

Monday, June 26, at 9 p.m., Frederick Wiseman's Canal Zone documents the daily life of the American residents in the ten by 50-mile strip of Central America which is controlled by the United States.

1. In-Hospital Doctors' Fees—Unicare

A. The present schedule reimburses non-surgical in-hospital calls by a physician up to the following: \$15 for the first visit, \$10 for the second visit, and \$5 for each subsequent visit up to a maximum of \$280 at which point major medical coverage takes over.

B. A suggested revision of this fee schedule is: \$30 for the first visit and \$10 for each subsequent visit up to an allowable maximum of \$280. This would more closely approach actual fees than the current schedule permits although it would not provide complete and total payment. The major medical coverage becomes effective when appropriate.

C. Cost of Revised Plan:

(1) This modification of the present group plan would cost approximately \$61,000 per year to cover all employees and dependents now enrolled in the plan.

2. "Within 24-Hours of an Accident" Rule—Unicare

A. Emergency treatment provides a \$15 benefit if the insured seeks emergency treatment from a physician for an injury within 24 hours following the occurrence of the trauma. This has caused many problems. Occasionally symptoms become acute after the 24-hour period has elapsed and coverage for emergency room treatment is then denied because of this rule.

B. Suggested revision of the rule and estimated costs:

(1) "Within 72-hours of an accident." The additional cost would be approximately \$6000 per year.

3. Multi-Major Medical Deductions within the Family Unit—Unicare

A. The present major medical plan reimburses 80 percent of covered medical expenses for each individual after the individual has satisfied the deductible expense of \$100 in a calendar year. Under these circumstances, each member of the family is treated as a separate unit with respect to the \$100 deductible clause. This means a family of four could pay as much as \$400 if each member was unfortunate enough to have incurred covered expenses which resulted in a major medical claim.

B. Suggested revision of this rule and estimated costs:

(1) Once two (2) members of a family each satisfy the \$100 deductible clause and establish major medical claims, all remaining members of that family are then automatically covered under the major medical plan. The estimated additional cost would be \$11,500 per year.

4. Major Medical Maximum—Unicare

A. The present major medical benefit package provides a \$100,000 lifetime maximum payment for each insured individual. Automatic restoration up to \$1000 per year and full restoration to \$100,000 are provided to the insured upon return to good health. To date no employee's medical expense has closely approached this coverage maximum. However, continuing escalation of overall medical costs suggest that close and continuing attention be given to this upper limit. Should medical expenses exceed the \$100,000 maximum, the coverage becomes the obligation of the insured who could result in a financial catastrophe for the individual.

B. Suggested revision of this rule and estimated costs:

(1) Increase major medical maximum to \$150,000 per lifetime. This would add approximately \$60,000 per year to the cost of our present Unicare package.

5. Vision Care Insurance

This coverage is not available under the Unicare group package; however, the Committee was provided with data for consideration.

A. Many plans are available and the following is one which was considered:

(1) The plan would pay 100 percent of the first \$10 charged and 80 percent of all costs above \$10 to a maximum of \$30 per insured per year.

(2) Typical coverages include: Charges made by a legally qualified physician, optometrist, or optician, for eye refractions (one year), lenses, frames, and contacts—latter three qualified by the policy.

(3) Coverage does not include such items as sunglasses, broken glasses, anything covered under workman's compensation, surgical, or medical treatment.

B. Estimated cost of coverage:

(1) \$340,000 per year. This cost is based on the following approximate unit costs:

\$11.00 per employee per year

\$25.00 for dependents per year

\$36.00 complete family coverage per year

6. Dental Care Insurance

This coverage also is not available under the present Unicare group package; however, the following group plan was one of several examined.

A. Plan A—Dental

(1) Stipulations

(a) Maximum expenditure of \$500 per insured per calendar year.

(b) Lifetime maximum of \$500 per insured for orthodontics.

(c) Deductible—\$25 per year per insured, limit of two deductibles per family.

(2) Plan coverages:

(a) This plan would pay 80 percent of

routine oral examinations, extractions, oral surgery, fillings (other than gold), root canal therapy, periodontics, drugs, etc.

(b) Plan also pays 60 percent for dentures, inlays, bridge work, crowns, gold fillings, and orthodontics.

(3) Cost:

(a) Approximately \$1,610,000 per year. This cost is based on the following estimated unit rates:

\$ 58.00 per employee per year

112.00 for dependents per year

\$170.00 complete family coverage per year

7. Annual Physical Examinations

A. This type of coverage is not provided for in the present group Unicare plan. The Committee is advised that this feature is not a standard practice in group medical plans; and, therefore, it is difficult to get bids on such a program. Requested estimates, however, suggested a plan which would provide for one examination per year with a maximum of \$50 per examination per insured employee and each dependent. The cost to include this in the present Unicare plan is estimated to be \$143,000 per year.

B. An alternate plan with the same coverage as above, excluding the children only, not the spouse, would cost approximately \$107,000 per year.

8. Total and Permanent Disability—TIAA-CREF

The present TIAA-CREF retirement annuity program does not provide for the disability benefits which are available under the other retirement programs available to University employees. Consequently, this matter was considered; however, an in-depth examination was not feasible prior to this report.

There are several constraints connected with proceeding on this feature. One, only 23.5 percent of the academic personnel and 14 percent of the total faculty and staff participate in TIAA-CREF; and two, normally a group insurance plan requires at least 75 percent participation of the group covered.

Although no assurance is currently available that a disability package could be developed for TIAA-CREF, it is estimated that the cost of incorporating this feature into the present package would approach \$200,000 per year.

SUMMARY

The deliberations of the Committee have resulted in establishing a block of five programs which should receive the highest priority for consideration with respect to the present group-plan insurance program. These and associated approximate costs are:

	Estimated Annual Cost
1. Major Medical Maximum	
A. Increase from \$100,000 to \$150,000	\$ 60,000
2. Multi-Major Medical Deductions Within the Family Unit	
A. Establish maximum at two \$100 deductibles per family	\$ 11,500
3. Dental Care Insurance	
A. Plan A (see text)	\$1,600,000
4. "Within 24 Hour Accident" Rule	
A. Change to 72-hours	\$ 6,000
5. In-Hospital Doctors' Fees	
A. Modify to \$30-\$110 (see text)	\$ 61,000

The above five items have been forwarded to the President of the University to form the basis of consideration for implementing changes in, and additions to, the University's plan of faculty and staff benefits.

Joint Administrative/Faculty Committee on Insurance Matters

R. T. Fortunato

S. A. Garban

C. F. Guderman

M. G. Klein

H. W. Thoele (Chairman)

A. L. Williams



The *Dybbuk*, one of the most popular Yiddish plays, was recently produced by Penn State's Experimental Theatre Company. Tuesday, June 27, at 7:30 p.m., writer Leon Katz, director Dan Ronen, and occult expert Robert Lima, appear on *Talkabout* to discuss the project using photographs from the recent production. Baritone Robert Trehy of Penn State's College of Music is featured Tuesday, June 27, at 9 p.m. on *Music at Penn State*. Accompanied by Pianist Philip Dettra, Prof. Trehy gives a recital of music by Mozart, Schubert, Ravel, Britten, and Giordano.

Tennessee Williams has used the American South as a background for most of his theatrical works. *Tennessee Williams' South*, a 90-minute special to be seen Tuesday, June 27, at 9:30 p.m., combines scenes from his most famous plays with segments illustrating the beauty of the Southern states.

Nova explores the future of 99 million acres of Alaskan wilderness Wednesday, June 28, at 8 p.m.

News in brief

(Continued from page 1)

bottles every time they run and return them to the nearest trash container."

RACE is an organization for runners and joggers, but other people active in the outdoors are encouraged to join. Included among members thus far are walkers, fishermen, golfers and bird-watchers.

There are no fees or meetings involved with membership.

Area residents who would like to join RACE should contact Dean Scannell at 865-2565 or Arthur Ciervo, co-director, at 865-7517.

WPSX Highlights

George Crumb: Voice of the Whale, Friday, June 23, at 9 p.m., centers around a performance of *Vox Balenae* for *Three Naked Players* by George Crumb, and includes a demonstration of the unique effects and musical instruments which figure in the composition.

Monday, June 26, at 9 p.m., Frederick Wiseman's Canal Zone documents the daily life of the American residents in the ten by 50-mile strip of Central America which is controlled by the United States.

Interdisciplinarity

Editor's note: This is one of a series of articles on the topic of interdisciplinarity. It is a version of a portion of the introduction to Interdisciplinarity and Higher Education, which will be published by the Penn State Press.

The theoretical basis for resisting interdisciplinary developments lies in the argument that most current disciplines, which are represented by distinct administrative units, have their own integrity and natural autonomy. Each discipline has its own intrinsic principles, and each has developed in accord with methodologies and assumptions that are neither translatable into those of one or more other disciplines nor exhaustively traceable to a more fundamental discipline. Some of those who affirm this view of the traditional disciplines regard interdisciplinary programs with indifference, if not hostility.

Added to this theoretical opposition is resistance to new interdisciplinary developments provoked when interdisciplinarians try to impose their concepts on their colleagues. Rather than waiting for a natural evolution of new disciplinary alignments, interdisciplinarians sometimes attempt to force unusual and sometimes exotic alignments on their colleagues. However, because they have not yet defined their principles or the domain of data that constitutes their subject matter, their opponents remain skeptical. After all, students cannot in four or even eight years of study gain a thorough knowledge and understanding of the data and methods of even a single discipline. Thus the interdisciplinarian is charged with being a generalist — "a jack of all trades and master of none." Or, if not this, he is charged with amateurism and encroachment in areas outside his specialty, if he has one. He, in turn, charges the traditionalist disciplinarian with stultifying conservatism, lack of vision, and inflexibility bred of vested interests.

There is something to be said for both sides of this dispute. But the justification on each side depends on the distinction already alluded to, but too easily overlooked: between what is natural and what is artificial. It is the artificial development of interdisciplinary programs that should be resisted. It is natural development that should be accepted and sometimes fostered by both disciplinarians and interdisciplinarians.

The most obvious artificial development of interdisciplinary study is administrative fiat, based on the view that a new structure is more economical or more convenient for determining needs for faculty positions. Such fiat may be the expression of deep concern about rapidly changing social and economic problems and current student demands, although student demands are sometimes fickle if not whimsical, and what appears to be a social or economic need one year may have vanished a few years later. Faculties and administrations find it difficult to resist these pressures, which have led to attempts to redesign curricula, to introduce experimental and what are called "innovative" courses, and sometimes "new" re-alignments of disciplines and reorganization of academic structure. Interdisciplinary efforts occurs when faculty are intellectually motivated to be "different." In such cases, the interdisciplinary effort may represent innovation simply for its own sake. We expect disciplines to change; without change they would not progress. And it is to be expected that some of us would like to be in the forefront of progress. Yet interdisciplinary efforts based exclusively on these expectations do not grow naturally out of concerns common to more than one discipline or out of problems which seem insoluble from the perspectives of single disciplines.

Interdisciplinary developments, however, can be natural rather than

artificial. It should be obvious when we look at the history of thought that disciplines have evolved. Physics is, in the twentieth century, dramatically different in content and methodology from physics in the time of Newton. Contemporary psychology is different from psychology in the nineteenth century. History, which was once one of the humanities, is now sometimes classified as a social science. Examples such as these suggest that established disciplines are not invariably and perpetually controlled by clearly defined and universally accepted principles. Specialists in the disciplines define their disciplines according to what they accept as data and the way these data should be approached, and these differences align the discipline with other disciplines — developmental psychology with biology, history with philosophy, certain kinds of philosophy with mathematics, biophysics with biology.

It might be concluded from this characterization of natural interdisciplinary effort that deliberate attempts to change disciplines and design new disciplinary programs are misguided — and that all are artificial. We might conclude that the only respectable and realistic way to engage in interdisciplinary efforts is from within, letting each specialist break out of his boundaries as necessity leads him to do so. Yet I think there are occasions when interdisciplinary study should be deliberately promoted.

It is worth noting that some established disciplines seem to be especially adapted to being interdisciplinary in the sense that they are concerned with synthesizing knowledge. One such discipline is philosophy, particularly when it takes the form of reflective understanding of specific disciplines of kinds of experiences: philosophy of science, philosophy of art or aesthetics, philosophy of religion, etc. Philosophy has the longest tradition of any formal discipline which might be considered essentially interdisciplinary. But there are others. Literary criticism, which may be viewed as a subdiscipline of Literature of Letters, is an example of a discipline that necessarily calls on methods and data from other disciplines, such as psychoanalysis, anthropology, philosophy, and history. And as theories of criticism change, so does the selection of the disciplines on which literary criticism draws. Anthropology too seems to be linked to other distinct disciplines — in this case, primarily those of the natural and social sciences.

These disciplines have their own distinctive characteristics. Nevertheless, they draw upon and sometimes extend other disciplines. They seem inherently to be integrative. And they may be viewed as appropriate focal points for understanding and perhaps promoting natural interdisciplinary efforts. If this is so, then it is not necessarily artificial to engage in deliberate attempts to develop programs that are interdisciplinary when they develop out of or with their focus in inherently interdisciplinary disciplines.

However, whatever the proper focus or base for interdisciplinary efforts, it is essential to be cautious about the administrative structure within which these efforts take place. A formal setting for interdisciplinary work, if it is to avoid artificiality and at the same time promote natural developments, must maintain a flexible organization that serves as an arena or "sounding board" for faculty to try out ideas, to come together from different disciplines when need or new interests draw them together. Interdisciplinary development in then be natural. And this organization should serve as at least a temporary "home" for students who want to look outside the boundaries of their degree program discipline.

Carl R. Hausman,
professor and head of philosophy

Calendar

June 22-July 2

Special Events

Thursday, June 22

Commons Kaleidoscope, "Candyland America," noon, Kern lobby.
Festival Theatre, Neil Simon, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, June 23

Student Travel Organization film, *Carrie* (R), 7:45 and 9:45 p.m., Room 111 Forum.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.
Spectrum, "An Evening with Gordon MacRae," 8 p.m., Eisenhower Auditorium.

Saturday, June 24

Cinema Internationale, *Caharet*, 7 and 9 p.m., Room 112 Kern.
STO film, *Carrie* (R), 7:45 and 9:45 p.m., Room 111 Forum.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Sunday, June 25

STO film, *Carrie* (R), 7:45 and 9:45 p.m., Room 111 Forum.
Festival Theatre, *The Sunshine Boys*, 7:30 p.m., The Pavilion Theatre.

Monday, June 26

Registration (8 week term), 1-5 p.m., Shields Bldg. lobby.
Last date for August graduates to activate diploma cards in Registrar's Office and pay these fees at Bursar's Office.
Cinema Internationale, *Caharet*, 7 and 9 p.m., Room 112 Kern.

Tuesday, June 27

Shaver's Creek Nature Center, "Frogs, Toads and Snakes," 7 p.m., Stone Valley.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Wednesday, June 28

Commonplace Theatre, *Play It Again, Sam*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.
Spectrum, The Erick Hawkins Dance Company, "Parson Weems and the Cherry Tree, etc.," 8 p.m., Eisenhower Auditorium.

Thursday, June 29

Passfall (10 week term).
Commons Kaleidoscope, "Trading Currency Futures," noon, Kern lobby.
Festival Theatre, Hugh Wheeler and Leonard Bernstein, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, June 30

Passfall (10 week term).
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-187). Applications for these staff vacancies will be accepted until 5 p.m., June 29. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Summer arts

(Continued from page 1)

Making up the program will be three pieces: "Greek Dream," "Cantilever," and "Parson Weems and the Cherry Tree, etc."

The last piece, with music by composer Virgil Thomson, explores the theme of the American folk hero and has been widely acclaimed by critics. Mr. Hawkins dances the principal role.

Tickets to the performances are on sale at the Eisenhower box office 10 a.m.-4 p.m. Monday through Friday and beginning at 5 on evenings of Spectrum events.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Saturday, July 1

Last date for August graduates to deliver doctoral theses to committee.

Behind the Scenes of *The Sunshine Boys*, 2 p.m., Pavilion Theatre. Free tickets at The Playhouse box office.

Cinema Internationale, *Allegro Non Tropo*, an mated film, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Sunday, July 2

Festival Theatre, *The Sunshine Boys*, 2 and 7:30 p.m., The Pavilion Theatre.

Festival Theatre, *Candide*, 7:30 p.m., The Playhouse.

Seminars

Friday, June 23

Ionosphere Research Laboratory, Marcel Nicolet, consultant to the Ionosphere Research Lab, on "Aeronomy of the Stratosphere and Mesosphere," 4 p.m., Room 323, EE East.

Exhibits

Chambers Gallery: Deborah Conway, ceramics and Ken Hall, silk-screen collages, through June 28.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m. Steidle Bldg.

Frost Entomological Museum: open 9 a.m.-noon, 1-4:30 p.m., weekdays. Live aquatic insects; live seasonal insects. Room 102 Patterson.

Hammond Gallery: William Mayer, MEA thesis exhibition, June 25-30.

HUB Gallery: CPFA, Art Alliance juried exhibit, opens July 1.

Kern Commons Gallery: Bonnie Deutsch jewelry, through June 24; Doris Coyle, oil paintings, Weislaw Zdaniewski and Dennis Charrington, photographs, opens June 24.

Signer of Art: Robert Kulicke, painter, designer, craftsman, through June 25; American paintings from the Permanent Collection featuring Jerome Witkin's *Painter's Crossing* through July 2; contemporary American prints from the Permanent Collection.

Robeson Cultural Center: Billie Veitch-Clenon, silk-screen photos illustrating Jamaican proverbs. Walnut Bldg.

Sackett Gallery: PSU architecture students, "The Architectural Component of Light," drawings, photos and models.

APPLICATIONS PROGRAMMER/ANALYST — UNIVERSITY LIBRARIES, University Park. Responsible to Senior Analyst/Programmer for conducting analysis of data processing and operational problems, determining detailed requirements to solve problems, formulating logical statement of systems problems, and preparing computer programs to satisfy desired end results. Make presentations and submit written reports. Assist in providing direction and control with the specifications of project schedules. Bachelor's degree or equivalent in basic computer systems and two years' effective experience in computer programming and analysis is required.

INTERCOM is an internal communications medium published weekly during the first term of the class schedule for the academic community of The Pennsylvania State University.

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Penn State Intercom

Open Letter to the University Community

June 29, 1978

Teamsters Union Local No. 8, representing Penn State Technical-Service employees, has decided to strike effective 12:01 a.m., Saturday, July 1, 1978. The University has made every effort to avoid a strike, but has not been successful primarily because of the struggle between two competing unions.

The University's offer, rejected by the Teamsters' membership, was a three-year proposal involving wages and benefits costing the University an annual average in excess of 6 percent. The Union's final demands, on the other hand, would result in excess of six percent. The Union's final alone in excess of 30 percent (including 17.5 percent just for wages). This package would cost an average of 20-25 percent yearly over the three-year period.

The University has two principal sources of revenue: the State appropriation (pegged for an increase of

five percent next year after two years with no increase) and student charges which are among the highest of all public universities in the nation. An increase in technical-service compensation of the magnitude proposed by the Teamsters is far beyond the resources of the University. Principally and centrally, however, at the outset of discussion on finances, when the Teamsters fixed its demands at such an exorbitant level, it became apparent to us that the Union's strategy included a strike.

The University's negotiations with the Teamsters leadership since last January obviously have been hampered by contention over which union should represent the technical-service employees. The American Federation of State, County and Municipal Employees (AFSME), Council 83, petitioned the Pennsylvania Labor Relations Board for an election to replace Teamsters Local No. 8. A representation election has been set by

the Labor Board for Thursday, July 13.

The University is now wedged between two competing unions. One obviously doesn't want to bargain before an election and thus is striking; the other is striving to gain control. Penn State is caught in the middle.

The University will remain open and will continue to operate its academic program and essential services throughout the period of the strike.

Faculty members, staff and clerical employees are expected to continue to meet their responsibilities. Employees in the striking bargaining unit must reach their own decisions regarding whether to participate in the strike or to report for work. Jobs will continue to be available for all employees.

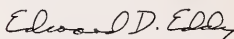
Students who are in the residence halls should be aware that housekeeping services will be limited to public areas, bathrooms and removal of trash.

Scheduled meal service will be maintained. There will be some modification and consolidation, however, in HUB dining services.

The unfortunate prospect of a strike has raised many questions throughout the entire University community. An information sheet has been prepared to respond to particular questions. It will be disseminated widely and updated as necessary.

Of course there will be inconveniences. Every effort will be made to keep these to a minimum. Your understanding and cooperation will help keep the University operating in its essential role as an educational institution.

Sincerely,


Edward D. Eddy,
Provost

Information for Employees of The Pennsylvania State University

The Office of Personnel has prepared the following list of key information and questions and answers regarding the strike. We hope you find this helpful.

KEY INFORMATION:

1. Occupied dining halls and residence halls currently in use for the Summer Term will operate.
2. The Creamery Sales Room will be open.
3. The Lion's Den and the Kern Building Cafeteria will be open. The Lion's Den will have longer hours and an expanded menu.
4. Interoffice and U.S. Mail Service will continue. Schedules will vary from normal schedules. There will be one stop per building per day (Mon.-Fri.) for interoffice mail. If it may be necessary for departments to pick up U.S. Mail, they will be notified. UPS will not deliver to campus. If practical, UPS shipments should be directed to your home.
5. University telephones will continue in operation as usual.
6. The Campus Bus Loop System and London Bus tours will be discontinued.
7. Fleet operations will continue. Driver service will not be available.
8. Department of Purchases and General Stores services will continue. General Stores items are available at the store's window at the Maintenance Building; deliveries will not be made.
9. Parking and traffic regulations will continue in effect.
10. Payroll schedules will continue as usual for employees who are working.
11. Minimal custodial service will be provided for restrooms. There will be no custodial service for offices, classrooms and laboratories. Building occupants will be asked to dispose of waste in plastic bags, which will be picked up in hallways.
12. Emergency maintenance and repair services will be provided. Routine services will be discontinued.
13. Athletic and recreational facilities will be available for use.

14. Pattee Library and the Pollock Undergraduate Library will maintain regular Summer Term hours. Hours at the Branch Libraries — Davey, Hammond, Sackett, McAllister and Deike — will be reduced somewhat. Specific hours will be posted.

QUESTIONS AND ANSWERS

1. Are technical-service employees allowed to work if there is a strike?
A. Yes. The University is not involved in a lock out. Jobs will continue to be available to all employees.
2. Are faculty members, staff and clerical employees expected to work during the strike?
A. Yes. The University will continue to function. Faculty members, staff and clerical employees not covered by the Teamsters' agreement are expected to report to work as usual.
3. Are all technical-service employees permitted to strike?
A. No. Guards and other security employees are not legally or contractually permitted to strike.
4. Will striking technical-service employees receive their University benefits (hospitalization, major medical, life insurance, educational privileges, etc.)?
A. No. A striking employee, under the law, is not entitled to wages or compensation during a strike.
5. Will those technical-service employees who do report for work in the event of a strike receive their benefits?
A. Yes.
6. If a technical-service employee on strike becomes ill during the strike, will he or she be able to use sick leave accumulation?
A. No. An employee is not entitled to any pay or compensation for time missed during a strike.
7. If a technical service employee had

previously scheduled vacation and a strike occurs during the time he or she had vacation scheduled, would the employee be entitled to receive vacation pay for that period?

A. Ordinarily no. If an employee is on vacation when the strike begins the employee will be requested to return to work.

8. What is an employee expected to do if he or she has problems crossing a picket line?

A. The employee should go to the closest telephone and call his or her supervisor. The employee will receive instructions at that time.

9. May the Teamsters place large numbers of pickets at the entrances of the University and, therefore, block anyone from entering the University?

A. No. It is unlawful to block entrances, and an injunction would be sought to stop such picketing. It is unlawful to threaten, interfere with, or disturb anyone who is attempting to move about the campus.

10. Are faculty members, staff or clerical employees expected to report for work, even though they may receive verbal harassment from those picketing?

A. Yes. Verbal harassment is not sufficient reason for absences from work.

11. Will parking lots be open?

A. Yes. Some surveillance will be provided. Employees are encouraged, however, to walk to work or to use public transportation to avoid potential traffic problems.

12. What actions can a picket perform legally?

A. A picket has the legal right to inform the public that a certain group of employees is striking an employer. They cannot deny access to the University property, nor can they engage in violence or vandalism.

13. Some technical-service employees may absent themselves from work and say they are not on strike but are staying

away because they are afraid to come to work or are in sympathy with the strikers. Would these employees be considered on strike?

A. Yes. A technical-service employee who absents himself or herself for whatever reason during the strike is considered to be on strike. An employee who says he or she is afraid to cross a picket

If you have a question

Employees with any strike-related questions are encouraged to call their supervisor, personnel representative, or the special telephone in the Office of Personnel Administration — 865-3419.

The special phone will be manned from 7 a.m. through 7 p.m. for the first several days of the strike and on a Monday through Friday schedule thereafter.

line should be given instructions as to where and when it is considered safe to cross the picket line.

14. May striking employees return to work if they change their minds?
A. Yes. Their supervisors should keep accurate records of time worked.

15. How do the various colleges and departments handle calls from the news media?

A. All contacts from news personnel should be referred to the Office of Public Information and Relations. The phone number is 865-7517.

16. How will communications with employees be handled?

A. Supervisors should answer questions directly. In addition, to counteract rumors, the University has established a central information number which individuals may call to obtain up-to-date and accurate information. The number is 865-3419. A staff member will be available daily to answer the questions from 7 a.m. through 7 p.m. for the first several days of the strike and on a Monday through Friday schedule thereafter.

Penn Staters

Dr. Peter H. Schneeman and Dr. James M. Rambeau, assistant professors of English, have been awarded Fulbright lectureships for the coming year. Dr. Schneeman will go to Rumania and Dr. Rambeau to Bulgaria. Both men will serve as lecturers in American literature.

Dr. C. Max Lang, professor and chairman of comparative medicine at Hershey, has been named to the National Cancer Institute's Clinical Cancer Program Project and Cancer Center Support Review Committee. His appointment is effective through June 30, 1982.

Dr. R. V. Ramani, professor of mining engineering, has received the Distinguished Alumni Award of the Indian School of Mines, Dhanbad, India. The award was made recently in conjunction with the school's golden jubilee observance. Dr. Ramani graduated from the school in mining engineering in 1962.

Dr. Donald P. Verene, associate professor of philosophy, is co-editor of *Essays in Humanity and Technology*, the recently published collection of papers from a 1977 conference on human values and the technological society. The conference was held at Sauk Valley College in Illinois, and David Lovekin, an assistant professor of philosophy there, edited the volume with Dr. Verene.

Both men are contributors to the book, along with another Penn State faculty member, Dr. Henry W. Johnstone, Jr., professor of philosophy.

Dr. John A. Lucas, professor of physical education, and Dr. Ronald A. Smith, associate professor of physical education, have co-authored a book on the history of sport, *Saga of American Sport*, published recently by Lea & Febiger of Philadelphia.

The volume traces the development of sport in America from colonial times to the present, and emphasizes the impact of historical forces such as religion, urbanization, industrialization and technology on the evolution of organized sport.

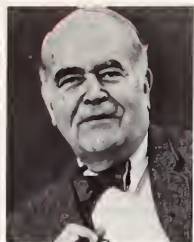
Dr. Terence H. Risby, assistant professor of chemistry, is the co-author of a monograph designed to aid in the study of air pollution. The volume, *Determination of Toxic Metal and Metalloids in Ambient Air*, is number 42 in a series of scholarly monographs by Penn State authors published by the Penn State Press.

Intended as a reference work, the text is divided into five chapters. Each chapter contains a general description of the toxic elements and their sources, sampling procedures, and theoretical and practical considerations necessary when using a particular analytical technique.

Samuel J. DiRoberto, assistant professor of accounting at Ogonitz, received the Campus's seventh annual Outstanding Teaching Award. He was selected by a committee of the Ogonitz Faculty Senate from nominations by students and faculty.

David B. Van Dommelen, professor of art education, has been reappointed to the Crafts Advisory Panel of The Pennsylvania Council on the Arts. Prof. Van Dommelen has served on the panel for the last two years.

Dr. David L. Pearson, assistant professor of biology, recently presented an invited paper at the International Ornithological Congress in Berlin, Germany. He discussed a comparison of foraging ecology between common and rare bird species in tropical lowland forest communities.



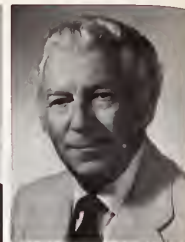
Prof. Harrison



Prof. Rubin



Prof. Sauerlender



Prof. Addison

Retirements

John M. Harrison, who will retire July 1, has been awarded the rank of professor emeritus of journalism. He has been at Penn State for 17 years.

Mr. Harrison's wife, Shirley, also retired from the University this year, and the couple plans to move to Iowa City. Mrs. Harrison became a member of the faculty in 1965, after having held various full- and part-time teaching positions at Penn State for four years. As an assistant professor in the College of the Liberal Arts, she taught courses in English, the humanities and American studies. She holds a master's degree in the humanities from the University of Iowa.

Mr. Harrison was formerly associate editor and chief editorial writer for the Toledo, Ohio, Blade. He also served for three years as an instructor in journalism at the University of Iowa, where he was publisher of the Daily Iowan, the university newspaper, and editor of the Iowa Publisher, a magazine published by the School of Journalism.

He received his B.A. in sociology in 1934 and his M.A. in American civilization in 1961, both from the University of Iowa. He also studied at Harvard University as a Nieman Fellow.

From 1935 to 1947, he was editor of the Oakland, Iowa, Acorn, a weekly newspaper owned by his father. He was publisher of the paper from 1945 to 1947. The Acorn was cited numerous times in press association contests for general excellence of editorial writing, typography, and community service. It was the 1946 winner of the National Editorial Association general excellence award.

Mr. Harrison is the author of the book, *The Man Who Made Nashy*, David Ross Locke, and co-editor of *Muckraking, Past, Present, and Future*, published in 1974 by Penn State's Press. He also edited *American Newspapers*, 1790-1933.

Dr. Joseph Jay Rubin, biographer of poet Walt Whitman, will retire July 1 with the rank of professor emeritus of American literature.

He will remain in State College, where he is working on a biography of William Leggett, editor in the 1820s and '30s of the New York Evening Post and The Plaindealer.

In 1973, Dr. Rubin's book, *The Historic Whitman*, was published by The Pennsylvania State University Press. The book is considered by many scholars to be the definitive work on the early forces in Whitman's career.

Dr. Rubin is also the author of an earlier study, *Walt Whitman of the New York Aurora*, published in 1950 and reprinted in 1972.

In addition, in the early 1960s, he conceived and directed the publication of the Monument Edition of the novels of J.W. DeForest, a 19th century American realist.

In 1950, Dr. Rubin founded the nonprofit Bald Eagle Press, which specialized in printing 19th century Americana. With his wife, Eleanor, as designer of the books, he acted as editor and production manager. Representative

titles include *Baudelaire on Poe*, Calhoun: Basic Documents, and 100 Pennsylvania Buildings.

After Penn State's Press was founded in 1956, Dr. Rubin served as chairman of the University Press Committee and also served on the Press's advisory board.

A 1933 Penn State graduate with B.A. and M.A. degrees in English, he went on to Yale University, where he earned the Ph.D. in 1940. After service in the U.S. Army during World War II, he returned to Penn State, where he had been a member of the faculty since 1935.

Dr. Owen H. Sauerlender, professor of economics and assistant director of the Institute for Research on Land and Water Resources, will retire July 1 with the rank of professor emeritus of economics.

A native of Jamaica, West Indies, he came to Penn State in 1955. His B.S. in economics and his M.S. in agricultural economics were conferred by Iowa State University. He earned a Ph.D. in economics at the University of Minnesota. Prior to his appointment at Penn State, he taught at Minnesota and the University of Illinois. From 1947 to 1949, he was an economist with the Government of Jamaica.

Dr. Sauerlender's research has been primarily in the development of techniques by which the tools of economic analysis can be applied to the practical problems of public policy. In this connection, he has investigated regional impacts of transportation planning, the effects of interstate highways and interchanges on local property values, the regionalization of water and waste management systems, equity in real estate tax assessment, and many other aspects of the economic and social effects of public policy. Currently, he is involved in a series of research projects on the quality of life in urban communities as it is affected by the environment and by public and private development.

He is the co-author of a book, *Methodological Framework for Comprehensive Transportation Planning*, and author of numerous articles in professional journals.

Arnold Addison, a faculty member at the University since 1949, retired June 30, with the rank of professor emeritus of industrial relations.

He was appointed personnel director of the Ordnance Research Laboratory in 1948 and joined the faculty a year later as an associate professor of engineering research. In 1963 he received a joint appointment with the Applied Research Laboratory and the Industrial and Management Systems Engineering Department. He was named professor in 1973.

Prof. Addison received the B.A. and M.S. degrees from West Virginia University and did graduate work in labor management and economics at Penn State. He is a recognized authority in the field of personnel management.

He has been a consultant to various municipal governments in Pennsylvania and is the author of *A Guide to Collective Bargaining in the Public Sector in Pennsylvania and Municipal Personnel Manual*.

Twice he was visiting professor at the Productivity Center of the Monterrey Institute of Technology, Monterrey, Mexico. In 1967 he was Ford Foundation Visiting Professor of Management at Monterrey Institute of Technology.

He is the current mayor of State College.

Howard E. Dyche Jr., professor of engineering at McKeesport, has retired with the rank of professor emeritus after almost 23 years with the University.

He came to McKeesport in 1955 after being employed for 17 years with Westinghouse Electric Co. and Westinghouse Air Brake Co. He received the B.S. degree in 1938 and the M.S. in 1942 in electrical engineering from the University of Pittsburgh. While employed at Westinghouse, he was a part-time faculty member at the University of Pittsburgh.

At McKeesport, Prof. Dyche helped develop the first associate degree programs and also assisted with curriculum development for the first baccalaureate degree program offered at the Campus in 1959.

He will continue to serve as chairman of the Engineer's Council for Professional Development Faculty Committee on Accreditation for McKeesport Campus.

Obituaries

Francis T. Hall Jr., professor emeritus of electrical engineering, died June 21. A member of the faculty from 1939 to 1965, Prof. Hall held B.S. and M.S. degrees from the Massachusetts Institute of Technology. He served as assistant dean of general engineering at Penn State from 1959 until his retirement, and after that held a similar post at Boston University until his death.

Michael Felack, assistant professor of speech communication at New Kensington and a full-time faculty member since 1970, died June 26. Born July 4, 1917, Prof. Felack received both the B.A. and M.A. degrees from the University of Pittsburgh. He was a part-time faculty member from 1963 to 1970 while serving as news director of WKPA and WYDD Radio in New Kensington. At the Campus he worked for several years with the Public Information and Relations Department.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

June 29-July 16

Special Events

Thursday, June 29

Pass/fail (10-week term).
Commons Kaleidoscope, "Trading Currency Futures," noon, Kern Lobby.
Festival Theatre, Hugh Wheeler and Leonard Bernstein, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, June 30

Pass/fail (10-week term).
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Saturday, July 1

Last date for August graduates to deliver doctoral theses to committee.
Behind the Scenes of *The Sunshine Boys*, 2 p.m., Pavilion Theatre. Free tickets at The Playhouse box office.

Cinema Internationale, *Allegro Non Troppo*, animated film, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Sunday, July 2

Festival Theatre, *The Sunshine Boys*, 2 and 7:30 p.m., The Pavilion Theatre.
Festival Theatre, *Candide*, 7:30 p.m., The Playhouse.

Monday, July 3

Drop deadline (10-week term).
Course repeat deadline (10-week term).
Pass/fail (10-week term).
Preregistration deadline (fall term).
Cinema Internationale, *Allegro Non Troppo*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 4

Independence Day, no classes.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Wednesday, July 5

Late registration deadline (8-week term).
Add deadline (8-week term).
Last date for written foreign language examinations (other than French and Spanish) for

advanced-degree candidates.

Commonplace Theatre, *One Day in the Life of Ivan Denisovich*, 7:30 and 9:30 p.m., Room 112 Kern.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Thursday, July 6

Commons Kaleidoscope, "An Age Revolution and an American Asset," noon, Kern Lobby.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Friday, July 7

Cinema Internationale, *Casablanca*, 7 and 9 p.m., Room 112 Kern.
Student Travel Organization film, *Bananas*, 7:45 and 9:45 p.m., Room 111 Forum.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.
Spectrum, The Romeros Guitar Trio, 8 p.m., Eisenhower Auditorium.

Saturday, July 8

Last date for final oral doctoral examinations for August graduates.

Last date for August graduates to deliver master's theses or papers to adviser.
Behind the Scenes of *Candide*, 2 p.m., The Playhouse. Free tickets at The Playhouse box office.

Cinema Internationale, Marguerite Duras, *Nathalie Granger*, French with English subtitles, 7 and 9 p.m., Room 112 Kern.
STO film, *Bananas*, 7:45 and 9:45 p.m., Room 111 Forum.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Festival Theatre, *The Sunshine Boys*, 8 p.m., The Pavilion Theatre.

Sunday, July 9

Third Annual CPFA Ten-Miler, 11 a.m. Entry forms at Rec Bldg. and Athletic Attic.
Festival Theatre, *Candide*, 2 and 7:30 p.m., The Playhouse.
Festival Theatre, *The Sunshine Boys*, 2 and 7:30 p.m., The Pavilion Theatre.
Cinema Internationale, *Casablanca*, 7 and 9 p.m., Room 112 Kern.
STO film, *Bananas*, 7:45 and 9:45 p.m., Room 111 Forum.

Monday, July 10

Cinema Internationale, *Nathalie Granger*, 7 and 9 p.m., Room 112 Kern.



Alan Brasington portrays *Candide* in the musical at the Playhouse.

Tuesday, July 11

Pass/fail (8-week term).
GSA Council meeting, 7 p.m., Room 101 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Wednesday, July 12

Pass/fail (8-week term).
Sigma Delta Epsilon, Graduate Women in Science luncheon meeting, Linda Deford, genetics, on "Turkey Parthenogenesis and Haploids," noon, Room 101 Kern.
Commonplace Theatre, *The Longest Yard*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Spectrum, The Pennsylvania Ballet program for a young audience, 8 p.m., Eisenhower Auditorium.

Thursday, July 13

Drop deadline (8-week term).
Course repeat deadline (8-week term).
Pass/fail (8-week term).
Commons Kaleidoscope, "Trouble with Trash," noon, Kern Lobby.
Festival Theatre, *Candide*, 8 p.m., The

Playhouse.
Spectrum, The Pennsylvania Orchestra, Pops Concert, 8 p.m., Eisenhower Auditorium.

Friday, July 14

Pennsylvania Ballet Open Rehearsal, 1 p.m., Eisenhower Auditorium. Limited seating.
Cinema Internationale, Herzog, *Fata Morgana* (1970), German, 7 and 9 p.m., Room 112 Kern.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Spectrum, The Pennsylvania Ballet, 8 p.m., Eisenhower Auditorium.

Saturday, July 15

An Evening of African Music and Fashions, 7:30 p.m., Walnut Assembly Room.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Spectrum, The Pennsylvania Ballet, 8 p.m., Eisenhower Auditorium.

Sunday, July 16

Festival Theatre, *Candide*, 2 and 7:30 p.m., The Playhouse.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 7. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap as provided by law, sex, or status as a disabled or Vietnam era veteran.

LABORATORY SUPERVISOR — COLLEGE OF THE LIBERAL ARTS, University Park. Responsible to the Coordinator of the Liberal Arts Data Laboratory for various administrative and technical functions. These include supervision and training of laboratory assistants, the development and operation of users' training programs, development and maintenance of computer programs and datasets, consultation with and assistance for users of hardware and software, maintenance of equipment and of supply inventories, assisting in financial management, and other general requirements of operation. A baccalaureate degree, preferably in social sciences or humanities or its equivalent, and one to two years of directly related data processing experience is required. Individual must be able to program in Fortran and Assembler and have experience in data processing support organizations as well as a knowledge of the care and use of unit record and computing equipment.

MEDICAL SOCIAL WORKER II — COLLEGE OF MEDICINE, Hershey. Responsible to the Social Services Coordinator for providing inpatient and outpatient medical social services and provide practical help and emotional support to patients and their families. Master of social work degree from an accredited college or university and/or equivalent of one to two years' directly related experience.

ASSISTANT DEAN OF STUDENT AFFAIRS.

Resident. Responsible to the Dean of Student Affairs for administration and coordination of various functions within the Student Affairs' operation at The Behrend College, primarily in the areas of recruitment and conduct standards. Participates in the delivery of services and coordinates aspects of other Student Affairs' programs, including Freshman Orientation, the Student Handbook, working with student groups and special programs. Master's degree in college student personnel or equivalent, with two to four years of directly related experience in student affairs' administration position.

ASSISTANT ACCOUNTANT — CONTROLLER'S OFFICE, University Park. Responsible to the Deputy Controller and to assigned accounting personnel for assistance in a wide variety of duties working toward the overall goal of obtaining a well-rounded accounting experience in all areas assigned within the Office of the Controller. A bachelor's degree or equivalent, preferably in accounting or related field and over three months of directly related experience.

EDITORIAL ASSISTANT — CONTINUING EDUCATION, University Park. Responsible to the Assistant Director of Broadcasting (Administration) for assisting in research, writing, monitoring status of projects for developing and maintaining files and periodically collating data and drafting reports on various activities of the unit; for arranging schedules for com-

munity ascertainment interviews for unit staff; for composing and typing routine correspondence. Written and oral communication skills essential. Knowledge of television production and programming helpful. Bachelor's degree in English, journalism, or related field and six to 12 months of directly related experience in television community services, other community services, education field work, or similar situation.

CONFERENCE COORDINATOR — CONTINUING EDUCATION, University Park. Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and conferences, and services for off campus groups using University facilities. Bachelor's degree. Two or three years' directly related experience in business, industry or education desirable.

Computer Science head being sought

A search committee has been formed to review nominations and applications for the position of head of the Department of Computer Science.

All inquiries, resumes and nominations should be directed to Dr. Norman Freed, Chairman, Search Committee, Room 211 Whitmore Laboratory. Application deadline is Nov. 1.

McKeesport post open

Dr. H. G. McGibbeny, director of the McKeesport Campus, announces the reopening of the search for an Associate Director for Academic Affairs at McKeesport.

The Associate Director for Academic Affairs will serve as the chief academic officer of the Campus. This individual will, under the supervision of the Campus Director, be responsible for providing leadership and developing and maintaining academic programs in resident and continuing education. Other areas of responsibility include assessing local community academic needs; academic planning and development; recruitment, assignment, evaluation and development of faculty; course scheduling and records; and participation in other Campus and University activities.

Applicants for this position are expected to have a doctoral degree and a minimum of five years of experience in teaching and/or administration of higher education.

An advisory search committee is being established to assist the director in the search. Applications and letters of nomination should be forwarded to Dr. McGibbeny no later than July 24. Two copies of a resume should accompany letters of application.

Faculty Club to continue

Editor's note: Because questions have arisen in the University community about the future status of the Faculty Club, INTERCOM asked Acting Club President Robert L. Clewett and Kenneth P. Mortimer, the treasurer and chairman of the Club's Continuation Committee, to respond to some of the concerns which have been voiced.

Q. If the Faculty Club no longer has a building, how can it exist?

A. We know there are 520 people who wanted a Faculty Club because they paid their membership fees and joined, and there have been less than a dozen resignations since the clubhouse was closed. Relinquishing the burden of managing a building and the food service could be a real plus for the Faculty Club. It will now be possible to focus attention on Faculty Club activities and to be a great deal more flexible in arranging them. Our goals remain the same — to give an opportunity to faculty to mix beyond department and College lines and to enhance the spirit of the University community.

Q. Are any specific activities being planned for fall?

A. A Continuation Committee, chaired by Ken Mortimer, has been formed. Members include Club Chairman Marjorie East, James Hammond, Monte Christiansen, Jean Pellegri, Leon Lyday and Henry Sams. The Committee hopes to have ready a set of recommendations for the Club's Board of Directors in August or September on what the Faculty Club should look like next year. A number of ideas are being discussed. There seems to be a good deal of support among the members for the continuation of the Speakeasy as a place to eat lunch. There's an enthusiastic group which would like to continue the Friday night beer parties, which were so popular last year. There might be an annual dance, theatre parties, or activities organized around various interest groups. There also seems to be a

feeling that any organizational structure should be informal. We need a low profile organization with high profile activities.

Q. Will the Faculty Club still have the use of the former Club building?

A. President Oswald has said that the University will plan, in all likelihood, to operate the facility in conjunction with the Nittany Lion Inn, and if it does, "the facility," according to the President, "would continue of course to be available for use by the Faculty Club organization and other organizations and groups under arrangement with the Inn."

Q. What has happened to the \$50 cash deposits which members paid on joining the Club?

A. This money is safe in a separate account. The Faculty Club is still a corporation, and it still has assets, among which are the membership deposits. We have met all our bills; no payrolls were missed; and our vendors are being taken care of as money from the May billings is received.

Q. The deposits were supposed to provide working capital when the Club opened. Since the Club no longer has any responsibility for its building or food service, what is the point of keeping the money?

A. At a meeting last May, the membership suggested that the Club keep these funds until the Board of Directors decides what will be needed to support operations next fall. The Board will meet early in September to discuss the future structure of the Club.

Q. Are monthly dues still being deducted from members' paychecks?

A. Payroll deductions have been stopped for June, July and August. Persons who paid a year in advance will receive credit on their dues accounts, and adjustments will be made on future billings.

Course improvement proposals approved

Seven course improvement proposals have been accepted for funding by the office of the Vice President for Undergraduate Studies, according to Vice President Robert E. Dunham.

The projects will be coordinated and administered by Dr. Donald W. Johnson, director of the University Division of Instruction Services, and final reports are due by June 30, 1979.

The projects include:

- Improving and developing materials for Biological Sciences 1 and 2, the Department of Biochemistry and Biophysics.

- Developing teaching modules and a student manual for FSHA 330, Food Production Systems, the Division of Man-Environment Relations.

- Developing materials and writing a

laboratory manual for Civil Engineering 44, the Department of Civil Engineering.

- Developing materials for Economic Entomology 12, the Department of Entomology.

- Creating new materials for the Science, Technology and Society Program, an Intercollege Undergraduate Program.

- Developing a measurement system for the Electrical Engineering labs, the Department of Electrical Engineering.

- Developing materials for Library Studies 001, the College of Liberal Arts.

The projects were selected by a six-member committee, chaired by Dr. Johnson, which included representatives from the Colleges, Campuses, the University Faculty Senate, the Administration and the student body.

WPSX Highlights

In rehearsal in France and on tour in Canada, ballerina Karen Kain is profiled Saturday, July 1, at 9 p.m. on **Karen Kain: Ballerina**. She is seen in various roles, as the one-hour documentary special traces her career, beginning with her early training at the National Ballet of Canada.

Opera Theatre returns to Channel 3 Monday, July 3, at 9 p.m. with a one-hour documentary and performance special celebrating the Santa Fe Festival.

Bass-baritone, Donald Gramm — who appeared at Penn State in *Be Glad Then America* — introduces highlights of the 1976 season with excerpts from the premiere of *The Mother of Us All* by Virgil Thomson and Gertrude Stein, and other productions.

Penn State Television's **Be Glad Then America... A Documentary**, which traces the history of the University's Bicentennial opera presentation of John LaMontaine's *Be Glad Then America* is featured Monday, July 3, at 10 p.m. Members of the Penn State choirs join Donald Gramm, Richard Lewis, David Lloyd, and Odette under the direction of Sarah Caldwell in performance segments which blend with documentary segments to show behind-the-scenes activities.

Arthur Fiedler and the Boston Pops Orchestra throw a Fourth of July party for 300,000 people on the banks of Boston's Charles River on an **Evening at Pops Special**, Tuesday, July 4, at 8 p.m. Included in their concert is music by Sousa, Handel, Strauss, Offenbach, and Tchaikovsky.



The Romero brothers

Arts Roundup

Guitarists to appear

The Romero Brothers, an internationally acclaimed trio of Spanish guitarists, will be appearing in concert at 8 p.m. Friday, July 7, in Eisenhower Auditorium.

With a repertoire that ranges from Baroque through Flamenco, the three brothers, Celin, Pepe and Angel, have played to sell-out crowds throughout the United States and Europe. They have performed with virtually every major American symphony orchestra.

The Romero's concert is the third event of Nittany Mountain Summer's Spectrum of Music and Dance series. Tickets are on sale from 10 a.m. to 4 p.m. Monday through Friday at the Eisenhower Auditorium box office. The box office will reopen at 5 p.m. the evening of the performance. VISA, MasterCard and out-of-town mail orders are accepted. For further information, call (814) 363-0255.

'Candide' opens

The Festival Theatre's production of *Candide*, a musical based on the Voltaire novel, has opened in the Playhouse Theatre.

The play, from a book by Hugh Wheeler, was set to music by Leonard Bernstein, with lyrics by Richard Wilbur. Additional lyrics were provided by Stephen Sondheim and John Latouche.

Garland Wright is directing the production, the second of this Festival season. Musical director is Bruce Trinkle, associate professor of music at the University. Mr. Wright and Mr. Trinkle have shared credits on previous Festival productions of *The Golden Apple*, *A Little Night Music* and *Gershwin Revisited*.

Candide is a tale about the education of a perpetual innocent, Candide, and his lost love, Cunegonde, from whom he becomes separated when war forces them to flee their country. Candide, played by Stephen Lehigh, has a series of bizarre adventures as he travels around the world in search of Cunegonde, played by Margaret Benzack.

The Festival Theatre Company will hold "Behind the Scenes," a look at the development of *Candide*, at 2 p.m., July 8. "Behind the Scenes" is a chance for interested patrons to meet with members of the cast and production crew in an informal discussion atmosphere. Free tickets to "Behind the Scenes" are available at the Playhouse Theatre Box Office.

Performances of *Candide* will continue through July 16. Show times are Tuesday through Saturday, 8 p.m.; Sunday matinees, 2 p.m.; and Sunday evening performances, 7:30 p.m. Single tickets are

on sale at the Playhouse Theatre Box Office from 10 a.m. to 9 p.m. daily. Reservations may be made by calling (814) 865-1884 during those hours. Tickets on reserve must be paid for no later than 48 hours before the performance.

Ballet to return

Four public programs will be presented by the Pennsylvania Ballet and Orchestra during their residency at the University July 10-16. The residency coincides with the Central Pennsylvania Festival of the Arts and is part of Nittany Mountain Summer Festival '78.

The Ballet and Orchestra will perform jointly on July 12 in a program designed for a young audience and on July 14 and 15 in general programs. On July 14 the Orchestra will present a pops concert titled "Music for a Summer Evening." There will also be an open rehearsal of the company, but the time for that event has not yet been determined.

The Wednesday young people's program will consist of two works, "Interplay," a light and joyful piece with music by Morton Gould and choreography by Jerome Robbins; and "Under the Sun," a piece inspired by the works of sculptor Alexander Calder and choreographed by Margot Sappington to the music of Michael Kamen.

The Friday Ballet program will repeat these two works and include as well "Divertimento No. 15," a classical piece with Balanchine choreography and Mozart music.

Saturday evening's performance will consist of "Pas de Dix," also a classical work, choreographed by Balanchine to music by Alexander Glazunov; "Signatures," a work created specifically for the Pennsylvania Ballet, with choreography by Benjamin Harkavy; artistic director of the company, and music by Maurice Klaproff, Ballet musical director and conductor of the Pennsylvania Orchestra; and "Symphony in C," another classical work, with Balanchine choreography and Bizet music.

The Wednesday pops concert by the Pennsylvania Orchestra will present a variety of popular and light classical works, including Bartok's "Romanian Dances," "Rags and Waltzes" by Scott Joplin and Gershwin's *Rhapsody in Blue*. Curtain time for all performances is 8 p.m. Tickets for ballet and orchestra events are being handled by the Nittany Mountain Summer Spectrum box office at Eisenhower Auditorium. Hours are 10 a.m.-4 p.m. Monday through Friday and beginning at 5 p.m. on days of performance.

Penn State

Reporter

Intercom

Penn Staters

Dr. Margaret B. Matson, professor of sociology and social welfare, and Dr. Frederick R. Matson, research professor of archaeology, have retired with a combined total of 55 years of service.

Margaret Matson has been awarded the rank of professor emerita of sociology and social welfare and Frederick Matson, the rank of professor emeritus of archaeology.

Earlier this year, Margaret Matson was honored as the 1978 recipient of the McKay Donkin Award and the Liberal Arts Alumni Award for Distinction in the Social Sciences.

A member of the University faculty since 1953, she served as vice-chairman of the University Faculty Senate, interim head of her department, a member of the Faculty Advisory Committee, University Council and the University's Five-Year Budget Planning Task Force.

Since 1975, Dr. Matson has been a member of the Commission on Higher Education of the Middle States Association and has served on a number of accreditation teams. From 1973 to 1977, she was a member of the board of directors of the Council on Social Work Education.

Dr. Matson received a B.A. in sociology from the University of Missouri and a Ph.D. from Penn State. While social welfare courses were taught at Penn State before she came to the University, she is credited with developing the social welfare major and with greatly expanding the course offerings. There are now almost 300 majors in the social welfare program, making it the sixth largest major field in the College of the Liberal Arts.

She is the author of a widely used monograph, *Field Experience in Undergraduate Programs in Social Welfare*.

Frederick Matson's research and field work have combined his interests in ceramics and archaeology. He has also played a major role in the acquisition of pottery for the University's Museum of Anthropology.

He was elected a Fellow of the Society of Antiquaries of London last year and is the immediate past-president of the Archaeological Institute of America.

A member of Penn State's faculty since 1948, Dr. Matson was first appointed as a professor of ceramics. In 1953, he was named professor of archaeology. From 1957 to 1966, he also served as an assistant and associate dean for research and graduate study in the College of the Liberal Arts and as director of the University's Social Science Research Center.

He has done extensive field work, both in this country and the Near East. A native of Chicago, he earned a B.S. in ceramic engineering from the University of Illinois. His M.A. in anthropology and Ph.D. in ceramic archaeology were conferred by the University of Michigan.

He has lectured throughout the world and recently served as Walker-Atnes Professor at the University of Washington. He is a research collaborator at Brookhaven National Laboratory, where he is working on neutron activation analyses of Egyptian and Near Eastern clay and pottery. A Fellow of the American Ceramic Society since 1958, he was both its Orton Lecturer and Distinguished Lecturer.

He has been a University Seminar Associate of Columbia University, and in 1969, he was appointed a Wilbour Fellow of the Department of Ancient Art of the



Margaret Matson



Frederick Matson

Brooklyn Museum. He is also a research associate of the Carnegie Museum in Pittsburgh and is on the Scientific Advisory Committee of the Winterthur Museum in Delaware.

Dr. W. LaMarr Kopp has been named director of the Office of Foreign Studies, following the retirement on June 30 of Dr. Dagobert de Levie. Dr. Kopp is professor of German and associate dean for undergraduate studies in the College of the Liberal Arts.

Dr. de Levie, also a professor of German, had been director of Foreign Studies since the program's inception in 1962.

Originally known as the Study Abroad Program, Foreign Studies has made it possible for more than 3,000 Penn State students to study in 22 locations in different countries during the past 16 years.

Dr. Kopp, who came to the University in 1962, formerly taught at Augsburg College in Minneapolis; Goshen College in Goshen, Ind.; the University of Pennsylvania, and Temple University.

He was also executive director of the Mennonite Voluntary Service, an international organization operated in cooperation with UNESCO from 1954 to 1957. During those years, he traveled approximately 250,000 miles throughout Western Europe to meet with officials of various agencies establishing and operating projects involving students and other young people from many countries.

A graduate of Goshen College, he received his M.A. from the University of Minnesota and his Ph.D. from Penn State, both in German. From 1972 to 1975, he made five visits to Germany in the service of the American Association of Teachers of German.

Dr. Edward J. Massaro, professor of biochemistry at SUNY-Buffalo, has been appointed professor of veterinary science

News in Brief

Ballet in residence

The Pennsylvania Ballet will end a week's residency at the University with two public programs Friday and Saturday, July 14 and 15, in Eisenhower Auditorium. Curtain time for both performances is 8 p.m.

The Friday evening program features three works — *Divertimento No. 15*, a classical piece with music by Mozart and choreography by Balanchine; *Under the Sun*, a modern work inspired by the mobiles of Alexander Calder, with music by Michael Kamen and choreography by Margo Sappington; and *Grand Pas Espagnol*, five Spanish dances with music by Moszkowski and choreography by Benjamin Harkavy, artistic director of the Ballet.

The Saturday evening performance will include two Balanchine works, *Pas de Dix*, with music by Alexander Glazunov, and *Symphony in C*, music by Bizet; and *Signatures*, a work designed specifically for the Ballet with choreography by Mr. Harkavy and music by Maurice Klapow, musical director of the Ballet and conductor of the Pennsylvania Orchestra.

Tickets for both programs are on sale at the Eisenhower box office. Hours are 10 a.m. to 4 p.m. Monday through Friday and beginning again at 5 p.m. on days of performance. The box office will also be open at 1 p.m. this Saturday.

The Ballet's residency at the University is an offering of Nittany Mountain Summer Festival '78 and is supported in part by a grant from the National Endowment for the Arts.

Secretary Kline to speak

Pennsylvania Secretary of Education, Caryl M. Kline, will speak at the Phi Delta Kappa/College of Education 1978 Summer Lecture Series at 2:20 p.m. on Monday, July 17, in Room 112 Kern Graduate Bldg. Her topic will be "Educational Priorities in Pennsylvania."

The public is invited to the lecture, and free tickets may be obtained at Kern's Information Center or by sending a request with a stamped, self-addressed envelope to Kern.

and director of the Center for Air Environment Studies. He will be responsible for the academic programs of the Center, which is in the office of the Vice President for Research and Graduate Studies. The mission of the Center is to offer opportunities for interdisciplinary research on air environment problems.

Dr. Massaro attained his B.A. at Rutgers and his M.A. and Ph.D. from the University of Texas. An environmental toxicologist/biochemistry and an expert in the area of toxicology of heavy metals, Dr. Massaro joined the SUNY faculty in 1968 after serving as a research associate at Johns Hopkins and Yale.

Anne Herpel, an administrative aide in the Office of the Vice President for Undergraduate Studies, has been named basic skills coordinator at the University, effective immediately.

A 1970 Penn State graduate with a B.A. in general arts and sciences, Ms. Herpel

Paychecks at Bursar's

The regular pay day for pay earned during the last half of June is Friday, July 14, 1978. Paychecks for University Park, technical-service employees on strike will be available for employee pickup at window number six in the Bursar's Office, Room 103 Shields Bldg., from 9 a.m. to

Publications combined

During the strike by the University's technical-service employees, INTERCOM and the PENN STATE REPORTER have been combined into one publication.

4:30 p.m., July 14, 1978. Checks will be mailed directly to banks for those employees with automatic bank deposit arrangements.

Identification will be required at the time of pickup. Each individual must pick up his or her own check personally. Checks not picked up on July 14 will be held and may be picked up at the Bursar's Office from 8:30 a.m. to 4:30 p.m., Monday through Friday, the following week.

Employees driving to campus to pick up checks are asked to park in the Orange L parking lot of University Drive off Curtin Road.

University Park, technical-service employees working during this period will receive their paychecks at their work sites on Friday, July 14.

Checks for employees at facilities other than University Park will be available through each facility business office.

Reserve reading lists due

Reserve reading lists for fall term 1978 should be submitted to the Reserve Reading Room, W11 Pattee on or before July 24, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person in W11 Pattee.

joined the University's staff in 1971.

The three-year experimental basic skills program was launched last year and is designed to help students develop basic skills necessary for success at the university level. Research oriented, it was approved by the University Faculty Senate.

Dr. Peter D. Bennett, professor of marketing, will serve as a distinguished visiting professor in the Department of Marketing Administration, University of Texas at Austin, during the fall semester.

Charles P. Hary, an assistant professor of engineering at Capital Campus, died June 27. He was 51. A graduate of the U.S. Naval Academy at Annapolis, Prof. Hary earned the MSME degree at the U.S. Naval Postgraduate School. He served in the Navy from 1944 to 1968. He had been a member of Capitol's faculty for ten years.

Calendar

July 13-23

Special Events

Thursday, July 13

Drop deadline (8-week term).
Course repeat deadline (8-week term).
Pass/fail (8-week term).
Commons Kaleidoscope, "Trouble with Trash," noon, Kern Lobby.

HUB Assembly Hall CPFA films: *Peanuts To The Presidency*, the rise of Jimmy Carter to the White House, and *Who Are the DeBolt's?* 1978 Oscar-winning documentary about a couple raising 19 very special children, 2 p.m. *Running Fence*, the trials of the artist, Christo, in building a cloth draped fence across Southern California, and *Grey Gardens*, two women named Beale whose lives seem far removed from their famed relative, Jackie Onassis, 4 p.m. *Forbidden Games*, France during World War II, seen through the eyes of children, 7 p.m.

Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Spectrum, The Pennsylvania Orchestra, "Music for a Summer Evening," pops concert, 8 p.m., Eisenhower Auditorium.
HUB Ballroom CPFA film, *The Producers*, Mel Brooks' first film, 9:30 p.m.

Friday, July 14

HUB Assembly Hall CPFA films: "Super Shorts," collection of unusual short films, 2 p.m. *Peanuts To The Presidency* and *Who Are the DeBolt's?* 4 p.m. Vittorio DeSica, *A Brief Vacation*, award-winning Italian film, 7 p.m.

Cinema Internationale, Herzog, *Fata Morgana* (1970), German, 7 and 9 p.m., Room 112 Kern.
Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.
Spectrum, The Pennsylvania Ballet, "Divertimento No. 15," "Grand Pas Etoilé," "Under the Sun," 8 p.m., Eisenhower Auditorium.
HUB Ballroom CPFA film, *Cin Cin* James Arness and James Whitmore save Los Angeles from the gigantic ants created by an atomic blast? 9:30 p.m.

Saturday, July 15

Alumni Vacation College, Session II, "Revelations - Contemporary Fare," through July 21.
HUB Assembly Hall CPFA films: Musical slide show, "The Seasons," and "People, Places and Moments," 10 a.m. Cartoons, *Under California Stars*, with Roy Rogers and Andy Devine, *The Invasion of the Body Snatchers*, and *Rock Around the Clock*, 2 p.m. Black

Orpheus, the legend of Orpheus and Eurydice, set against the splendor and music of Carnival time in Rio, 7 p.m.
An Evening of African Music and Fashions, 7:30 p.m., Walnut Assembly Room.
Festival Theatre, *Candide*, 8 p.m., The Playhouse.

Spectrum, The Pennsylvania Ballet, "Pas de Dix," "Signature," "Symphony in C," 8 p.m., Eisenhower Auditorium.
HUB Ballroom CPFA film, *Bridge on the River Kwai*, Alec Guinness and William Holden, 9:30 p.m.

Sunday, July 16

HUB Assembly Hall CPFA films: "Super Shorts," 2 p.m. *Running Fence* and *Grey Gardens*, 4 p.m. Jean-Luc Godard, *Weekend*, what happens when the world becomes one big traffic jam, 7 p.m.
Festival Theatre, *Candide*, 2 and 7:30 p.m., The Playhouse.
HUB Ballroom CPFA film, *On the Town*, Gene Kelly, Frank Sinatra and Ann Miller sing and dance to the music of Leonard Bernstein, 9:30 p.m.



Secretary Kline

Monday, July 17
College of Education/Phi Delta Kappa Lecture.
Caryll M. Kline, Ph.D., Secretary of Education, on "Educational Priorities for Pennsylvania," 2:20 p.m., Room 112 Kern.
Cinema Internationale, *Fata Morgana*, 7 and 9 p.m., Room 112 Kern.

Wednesday, July 19

Live Noon-Time Concert, Sherry and Steve McCamley, Kern Lobby.
Commonsplace Theatre, *The President's Analyst*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, July 20

Commons Kaleidoscope, "The World of Tea," noon, Kern Lobby.
Festival Theatre, *Presidents Jones*, *Lu Ann Hampton Lavy*, *Orpheus*, the second play of *A Texas Trilogy*, 8 p.m., The Pavilion Theatre.

Friday, July 21

Board of Trustees meeting at Hazleton.
College of Education/Phi Delta Kappa Lecture.
Stuart Ford, dean of University libraries, on "A View from the Bridge: Learning in Libraries, 1960 and Thereafter," 12:45 p.m., Room 112 Kern.
STO film, *One Flew Over the Cuckoo's Nest*, 7:45 and 10 p.m., Room 111 Kern.
Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, *Lu Ann Hampton Lavy*, *Orpheus*, 8 p.m., The Pavilion Theatre.
Spectrum, "Broadway a la Carte," 8 p.m., Eisenhower Auditorium.

Saturday, July 22

Board of Trustees meeting at Hazleton.
Cinema Internationale, Warner's *Cartoon Festival*, 7 and 9 p.m., Room 112 Kern.
STO film, *One Flew Over the Cuckoo's Nest*, 7:45 and 10 p.m., Room 111 Kern.
Festival Theatre, *Lu Ann Hampton Lavy*, *Orpheus*, 8 p.m., The Pavilion Theatre.

Sunday, July 23

Cinema Internationale, Warner's *Cartoon Festival*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Lu Ann Hampton Lavy*, *Orpheus*, 7:30 p.m., The Pavilion Theatre.
STO film, *One Flew Over the Cuckoo's Nest*, 7:45 and 10 p.m., Room 111 Kern.

Exhibits

Anthropology Museum: open Tuesday,

Wednesday, Thursday, noon-4 p.m. Open July 13-16, noon-8 p.m.

Chambers Gallery: national invitational crafts exhibition, "Objects of Play," original toys, games and playthings, through July 19.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., Steidle Bldg.

Kern Commons Gallery: Wieslaw Zdzieniewski and Dennis Charrere, photographs, Andrew Scherzer, ceramics, through July 21. George Lavansh, wildlife drawings, opens July 22.

Robeson Cultural Center: Billie Veitch-Clennon, silk-screen photos, through July 15.

Sackett Gallery: PSU architecture students, "The Architectural Component of Light," drawings, photos and models.

Pattee Galleries: Amish quilts, East Corridor Gallery. Dawn Ulincy, watercolors, Lending Services Lobby.

CPFA Exhibits, open Monday-Wednesday, noon-5 p.m., Thursday-Sunday, noon-8 p.m. Fairmount Elementary School, Juried Fine Art Show, Art Alliance Juried Show, Art in Photography, St. Andrews Episcopal Church Parish Hall, Heritage Plus, Juried Fine Arts Show, Art in Stamps.

painting and maintenance. Leadership qualities and experience in supervisory capacity are required.

ASSISTANT DIRECTOR FOR QUALITY RELATIONS, Altona Campus. Responsible to the Campus Director for organizing and conducting a comprehensive University Relations program for the entire Campus, including Continuing Education, Public Information and Relations to the Endowments, Alumni and community activities. Bachelor's degree or equivalent, plus two to four years of directly related experience, preferably involving newspaper and/or journalistic writing or public relations. Relevant experience in higher education is desirable.

PSYCHIATRIC ASSISTANT (Two Positions) - COLLEGE OF MEDICINE, Hershey. Responsible to the Chief of the Psychiatric Inpatient Unit. This responsibility is delegated on a day by day basis to the Psychiatric Nurse Supervisor and to the nurse team leader on the Psychiatric Assistant's assigned shift. Assist the nursing staff in the management of psychiatric inpatients. An associate degree or equivalent to two years of college, preferably in a related medical field or in psychology or equivalent professional experience.

PROJECT ASSISTANT - COLLEGE OF EDUCATION, University Park. Responsible to the Project Director of Admissions Prevention Laboratory for the coordination and implementation of data analyses to include participation in the design of evaluation research, administration of a Management Information System, selection, development, and adaptation of computer programs, maintenance of data storage and supervision of coders and data processors. Master's degree or equivalent with major coursework in computer programming, research design, and/or statistics, plus one to two years of effective experience in the collection of quantitative and formal training, which provides comparative knowledge of the principles, methods, materials, techniques and procedures of data analysis. Prior experience with the University's Computerization Center is highly desirable. A Fixed-Term position, funding annually.

Funding Sources

For further information, call 865-1372 (Network 7-475-1372).

(316-1) Danforth Foundation reminds students planning to apply for 1979 graduate fellowships that GRE scores are required. Be sure to schedule these examinations in the fall quarter. Tests taken after Oct. 1 may be reported too late to meet the Onanforth Foundation deadline. The deadline for graduate students to apply for nomination is Oct. 31, 1978. Each graduate student interested in applying should schedule an interview with Olan B. F. Howell, Room 320 Kern Graduate Bldg., before Oct. 31, 1978. Because Penn State can nominate 15 graduate students this year, we can probably nominate all interested graduate students. This is a change from previous years when undergraduates were given preference. There is also greater interest in applications from science students this year. Each applicant should request nomination in writing stating her/his local and permanent addresses and phone numbers and affirming interest in teaching as a career. Seniors planning to apply should contact R. E. G. O'Connell, Room 117 Old Main, who is liaison officer for undergraduate students. When you schedule your GRE examinations, be sure to arrange that the results of your tests be forwarded to Onanforth Foundation. Awards are for one year, renewable for up to four years. The stipend is \$2500 plus tuition plus a dependency allowance if applicable. (Ref. FO 78-9)

(316-2) US Dept. of Transportation (Office of University Research, OIR-50, Room 9413, Nassif Bldg., 407 7th St., SW, Washington, DC 20590) offers postdoctoral fellowships for faculty wishing a year's experience in OOT operations. For further information write to the address given above. (Ref. FO 78-9)

(316-3) The British Council General (2320 PSFS Bldg., 125 12th St., Philadelphia, PA 19107; phone 215-915-2400) offers graduate studentships. When you schedule your GRE examinations, be sure to arrange that the results of your tests be forwarded to Onanforth Foundation. Awards are for one year, renewable for up to four years. The stipend is \$2500 plus tuition plus a dependency allowance if applicable. (Ref. FO 78-9)

(316-4) Preliminary proposals for the NSF Ethics and Values in Science and Technology (EVIST) program are due by Sept. 1. Contact Dr. William Blaupied in the Office of Science and Society (202-282-7770). (Ref. NSF Bulletin)

(316-5) The NSF Public Understanding of Science (PUS) program has an Oct. 1 deadline for preliminary proposals. Contact Dr. Jean Intermaggio in the Office of Science and Society (202-282-7770). (Ref. NSF Bulletin)

(316-6) NSF grants are awarded in support of doctoral dissertation research in the environmental, behavioral, neural and social sciences. Grants are intended to provide funds for (a) travel, surveys, equipment and services. Funds may not be used for stipends, tuition or dependents. Proposals must be submitted through the department by the dissertation advisor. (Ref. NSF 78-17)

(316-7) NSF supports basic research in demography, economics, human geography and regional science, law and social sciences, political science, sociology, and interdisciplinary studies including natural sciences and engineering. The next two deadlines are Aug. 15 and Oct. 1. Contact the Division for Biological, Behavioral and Social Sciences (202-632-4286). (Ref. NSF 77-15)

FELLOWSHIPS

For further information, inquire at Room 320 Kern or call 865-2514.

(317-1) American Film Institute (501 Ocheny Drive Beverly Hills, Calif. 90210) administers for the National Endowment of the Arts a program of grants to filmmakers. For further information write to the address given above. The application deadline is Sept. 15.

(317-2) National Endowment for the Arts (Visual Arts Program, Mail Stop 700, 1300 Constitution Avenue, Washington, D.C. 20506) has fellowships for video artists. The application deadline is Oct. 16. For further information write to the address given above.

INTERCOM is an internal communications medium published weekly during the first two terms of the class schedule for the academic community of The Pennsylvania State University.

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Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 20, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam area veteran.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS - STUDENT AFFAIRS, Delaware County Campus. Responsible to the Dean of Student Affairs for the administration and coordination of various functions within Student Affairs' operations, primarily secondary school relations, admission, and recruitment; participates in the delivery of services and controls aspects of other programs including change of assignments, provisional degree and non-degree students and college fairs. Master's degree in student personnel administration, counseling or related field, plus up to one year directly related experience or a bachelor's degree and equivalent job related experience of more than two years.

PROGRAMMER/ANALYST - INTERCOLLEGE PROGRAMS, University Park. Responsible for analysis, design, implementation, and maintenance of systems and procedures necessary for the management accounting function of the Computer Center. Other responsibilities include analysis and presentation of management information, including accounting and other systems data, interface with faculty and staff

with regard to problems related to the above areas. Bachelor's degree in business administration or computer science or equivalent training, plus two to three years of directly related experience which includes analysis and design of computer oriented systems, course credit or experience with Fortran or PL/I, and business accounting. Potential for promotion to master's degree is highly desirable.

COLLEGE HEALTH NURSE, Beaver Campus. Responsible administratively to the Dean of Student Affairs and professionally to the Director of Nursing Service for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when necessary. Graduate or an accredited nursing program or its equivalent and current license in Pennsylvania as a registered nurse, plus six to nine months of directly related experience with some public health experience or training.

MANAGER, PATIENT NUTRITIONAL CARE - COLLEGE OF MEDICINE, Hershey. Responsible to the Assistant Hospital Director for the development and execution of educational programs in clinical nutrition for medical students, interns, residents, medical dietitians and interns, nursing interns, community nutrition and other health professional groups. Registered dietitian, graduated from an accredited internship or equivalent, plus three to four years of directly related experience required.

MAINTENANCE FOREMAN, Shertango Valley Campus. Responsible to the Business Manager for planning and scheduling the maintenance, operation, repair and preventive maintenance of the mechanical and utilities installation, building systems and facilities at the Shertango Valley Campus. Also responsible for the scheduling and supervision of physical plant employees. Associate degree in electrical or mechanical technology, or an equivalent amount of organized outside study or training with a high school education, plus two to four years of directly related experience in carpentry, electrical work, landscaping, plumbing,

Reporter Intercom

WHAT HAPPENED?

Negotiators for Teamsters Local No. 8 presented the University with a set of take-it-or-leave-it demands when collective bargaining resumed on Tuesday. The University responded with a good faith, equitable offer. If ratified by Teamster members, it would have settled the three-week-old strike against Penn State. The Teamster negotiating team refused, however, to take the offer to its membership for a vote.

1. WHAT WERE THE MAJOR ITEMS IN THE UNIVERSITY'S OFFER?

- A three-year contract;
- A 19 per cent wage increase by July 1, 1980;
- On top of this 19 per cent are the fringe benefit costs related to the wage increases;
- Wage increases in the first year of 6.25 per cent; in the second year, 6 per cent; and in the third year, 5.75 per cent;
- A dental insurance plan, free for employees, beginning in the second year of the contract;
- Dependent coverage under the dental plan at group

rates; and

- Assumption of part of the cost of dependent coverage under the dental plan in the third year.
- The union's negotiating team spent less than 10 minutes discussing this offer, then broke off negotiations.

2. WHAT WERE THE UNION'S DEMANDS?

- A three-year contract, which Penn State has offered;
- Wage increases of 8 per cent per year, or approximately 26 per cent in wage increases, when compounded, over the three-year period;
- In addition, an automatic cost-of-living clause;
- A dental insurance plan for employees which was offered; and
- In addition, insurance plans for vision care and prescription drugs.

3. WHAT ARE THE MAJOR BARRIERS TO REACHING A SETTLEMENT?

Wages, of course, remain a major issue. What also makes the current Teamsters' proposal

prohibitive are the demands for the introduction of an automatic cost-of-living clause and the introduction of two additional insurance plans — vision care and prescription drugs — in addition to the dental plan already offered by Penn State.

Penn State's funding status with the Commonwealth presents a barrier to a cost-of-living clause. The Commonwealth of Pennsylvania has no cost-of-living clause in its contracts with more than 100,000 state employees. No other state-related university in Pennsylvania, to our knowledge, has a cost-of-living clause in any union contract. Like Penn State, these institutions and agencies have no direct control over the major source of their income and cannot agree to an automatic cost-of-living clause.

The University is deeply disappointed over this most recent development in negotiations. We will continue to make every effort to end the strike, and we remain ready to resume negotiations at any time.

The Pennsylvania State University

News in brief

Play opens at Pavilion

Lu Ann Hampton Laverdy Overlander, the second of playwright Preston Jones' *Trilogy*, opens at 8 p.m. tonight at the Pavilion Theatre and continues there through Aug. 6.

The Last Meeting of the Knights of the White Magnolia, the first of the *Trilogy*, was one of the productions of last season's Festival Theatre, and the current show has many of the same characters and reveals more of the life of the people of Bradleyville, Texas, population 6,000 and decreasing.

The drama is a mixture of sadness and humor and has been credited with playing a key role in establishing Mr. Jones as one of the country's leading playwrights.

The title role will be performed by Dawn Dilawick, a member of the Equity company of Festival Theatre. In the course of the play she matures from a high school senior, through two marriages, into middle age Robert E. Leonard, who directed last season's *Trilogy* production, is directing the current work. Also returning for the second production are actors David Wurst, as Rufe, and Paul C. Thomas, as Red Grover.

Tickets for this and *An Offer You Can't Refuse*, the last Festival production of the season, are on sale at the Playhouse box office, which is located in the Arts Bldg. Box office hours are 10 a.m. to 9 p.m. daily, and phone reservations may be placed during these hours. The number is 865-1884.

Broadway review set

Broadway a la Carte, a vocal and instrumental review of hits from Broadway musicals, will be presented at 8 p.m. on Friday, July 21, in the Milton S. Eisenhower Auditorium.

The review will be performed by a quartet of young professionals from New York's Eastern Opera Theatre. Opening with "There's no Tune like a Show Tune," they sing and dance their way through a fast-paced medley of songs from popular composers, including Rodgers and Hammerstein, Irving Berlin, Leonard Bernstein, Stephen Sondheim, George Gershwin and Cole Porter.

Solos from *West Side Story*, *Showboat*,

Carousel, and *Naughty Marietta* open the show, and a 50-song medley, comprising the show's entire second act, includes numbers from *South Pacific*, *Guys and Dolls*, *Fiddler on the Roof*, *Finian's Rainbow*, and *Cabaret*.

The Eastern Opera Theatre is in residence at the American Shakespeare Theatre in Stratford, Conn. With its sister company, the Manhattan Savoyards, the group has performed in colleges, universities and summer festivals throughout the country, and has accompanied many major symphony orchestras.

Broadway a la Carte will be presented as part of Nittany Mountain Summer's Festival '78. The festival's remaining event in the Spectrum series for this season is the Loretta Lynn show, which will have two performances at 7 and 9 p.m. on Friday, July 28.

Tickets for both the Loretta Lynn show and *Broadway a la Carte* are on sale at the Eisenhower Auditorium box office. Box office hours are 10 a.m. through 4 p.m. Monday through Friday and 10 a.m. until 9 p.m. on the evening of each performance. Tickets may be ordered by phone, and may be charged on Mastercharge or VISA cards, or paid for by checks made out to The Pennsylvania State University. For information and ticket orders, call (814) 863-0255.

Dr. Snyder to be speaker

Associate professor of educational psychology Helen I. Snyder will speak at the Phi Delta Kappa/College of Education 1978 Summer Lecture Series on Thursday, July 27, at 3:55 p.m. in 112 Kern Auditorium. Her topic will be "Basic Skills: The Tip of an Iceberg?"

The public is invited to the lecture, and free tickets may be obtained at Kern's Information Center or by sending a request with a stamped, self-addressed envelope to Kern.

Liability coverage

The University's comprehensive general liability policy covers faculty members or other employees who might be charged with negligence in connection with an injury to a handicapped student, according to University lawyer Delbert J. McQuaide.

Mr. McQuaide's opinion was sought by Provost Edward D. Eddy in response to

numerous inquiries received from faculty indicating concern about their liability for injuries to the handicapped.

Although there is no body of law on this particular subject, Mr. McQuaide noted that "the Provost that, in his opinion, 'there is no cause for alarm.'"

In addition to coverage under the University's insurance, Mr. McQuaide noted that "the touchstone of a negligence claim is reasonableness and foreseeability." He continued:

"Conduct by a faculty member toward a handicapped person need be only reasonable under the circumstances, having due regard for the handicap. If the faculty members act in a manner such that an injury is not reasonably foreseeable, there should be no liability. Of course, reasonable conduct toward a handicapped person may involve some precautions not normally taken."

Travel discounts available

In response to requests from faculty and

staff for information about motel and rental-car agency discounts when travelling on University business, the Department of Purchasing Services reports that many of the major motel chains offer a discount of at least 10 per cent upon presentation of a Corporate Rate number and University identification.

Avis has extended a special discount rate program to the University for automobile rentals.

Up-to-date information on motel and rental agency policies may be obtained by sending a brief memo to the Department of Purchasing Services, attention Joan Everhart, Room 219 Shields Bldg. Queries will be answered promptly.

"On the Avenue . . ."

Twenty recent books of The Pennsylvania State University Press are being exhibited in a window of the New York Public Library's new circulating branch, Fifth

(Cont. on page 2)



Approximately 180 buildings at University Park are being surveyed this summer to identify physical barriers to the handicapped. Six teams of two students each are conducting the surveys under the direction of the Office of Physical Plant. The results will be used to determine where improvement is needed and how much it may cost. Here, Barbara Bruce, a 14th term student in home economics administration, and Bob Carlson, 13th term, civil engineering, measure the handrails on a set of steps near Buckhout Laboratory.

Calendar

July 20-30

Special Events

Thursday, July 20
Commons Kaleidoscope, "The World of Tea," noon, Kern Lobby.
Festival Theatre, Preston Jones, *Lu Ann Hampton Laverly Oberlander*, the second play of *A Texas Trilogy*, 8 p.m., The Pavilion Theatre.

Friday, July 21
Board of Trustees meeting in Hazleton.
College of Education/Phi Delta Kappa Lecture. Stuart Forth, dean of University libraries, on "A View from the Bridge: Learning in Libraries, 1980 and Thereafter," 12:45 p.m., Room 112 Kern.
STO film, *One Flew Over the Cuckoo's Nest*, 7:45 and 10 p.m., Room 111 Forum.
Commons Place Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.
Spectrum, "Broadway a la Carte," 8 p.m., Eisenhower Auditorium.

Saturday, July 22
Board of Trustees meeting in Hazleton.
Cinema Internationale, Warner's *Catwoman*.
Festival, 7 and 9 p.m., Room 112 Kern.
STO film, *One Flew Over the Cuckoo's Nest*, 7:45 and 10 p.m., Room 111 Forum.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, July 23
Cinema Internationale, Warner's *Catwoman*.
Festival, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Oberlander, 7:30 p.m., The Pavilion Theatre.
STO film, *One Flew Over the Cuckoo's Nest*, 7:45 and 10 p.m., Room 111 Forum.
Monday, July 24
Last date for August graduates to deliver theses to Graduate School Office.
Last date for Departments to certify to Graduate School completion of required papers for August graduates.
Last date for August graduates to order cap, gown and hood locally.
First day for signing Fall Term NDSL and University Long Term Loans, Room 108 Shields.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.



Tuesday, July 25
College of Education/Phi Delta Kappa Lecture. Lib V. Moore, education, on "The Affective Domain: A Diagnostic Aid to Learning," 11:10 a.m., Room 112 Kern.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Wednesday, July 26
Live Noon-Time Concert, The Good Knight

Fore, barbershop quartet, 12:15 p.m., Kern Lobby.
Commonplace Theatre, *They Shoot Horses, Don't They?* 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Thursday, July 27
Fixed date for meetings involving Commonwealth Campus faculty.
Commons Kaleidoscope, "Through the Northwest Passage," noon, Kern Lobby.
College of Education/Phi Delta Kappa Lecture. Helen I. Snyder, educational psychology, on "Basic Skills: The Tip of an iceberg?" 3:55 p.m., Room 112 Kern.
Festival Theatre, Samuel Gallu, *An Offer You Can't Refuse*, World Premiere, 8 p.m., The Playhouse.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Friday, July 28
Fixed date for meetings involving Commonwealth Campus faculty.
Spectrum, Loretta Lynn and the Coal Miners, 7 and 9 p.m., Eisenhower Auditorium.
STO film, *The Spy Who Loved Me*, 7:45 and 10 p.m., Room 111 Forum.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.
Karen Eckenroth, soprano, and Tony Leach, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, July 29
Behind the Scenes of *Lu Ann Hampton Laverly Oberlander*, 2 p.m., The Pavilion Theatre. Free tickets at The Playhouse box office.
Cinema Internationale, Tavernier, *Let Joy Reign Supreme*, French with English subtitles, 7 and 9 p.m., Room 112 Kern.

STO film, *The Spy Who Loved Me*, 7:45 and 10 p.m., Room 111 Forum.
Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.
Sunday, July 30
Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 2 and 7:30 p.m., The Pavilion Theatre.
Festival Theatre, *An Offer You Can't Refuse*, 7:30 p.m., The Playhouse.
STO film, *The Spy Who Loved Me*, 7:45 and 10 p.m., Room 111 Forum.

Exhibits

Anthropology Museum: open Tuesday, Wednesday, Thursday, noon-4 p.m. Pre-Columbian materials, Greek ceramics.
Chambers Gallery: Vinod Kobisz, Karl Love, Gregg A. Mierka - mixed media, opens July 24
Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., Steidle Bldg.
Frost Entomological Museum: open 9 a.m.-noon, 1-4:30 p.m., weekdays. Live aquatic insects; live seasonal insects. Room 102 Patterson.
Kern Commons Gallery: Andrew Schuster, ceramics, through July 21. George Lavashin, wildlife drawings, opens July 22.
Pattee Galleries: Amish quilts, East Corridor Gallery; Dawn Ullery, watercolors, Lending Services Lobby.
Robeson Cultural Center: African fashions
Sackett Gallery: PSU architecture students, "The Architectural Component of Light," drawings, photos and models.

News in Brief

(Cont. from page 1)

Avenue at 40th Street in Manhattan, during July. The library inventing leading presses to install exhibits in the show windows of the former Arnold Constable store before it is remodeled. Among the books in the Penn State display are Bridget Ann Henrich's *Fast and Feast: Food in Medieval Society*, Francis E. Hyslop's *Henri Evenslop: Belgian Painter in Paris* and Stanley Weintraub's *Aubrey Beardsley: Imp of the Perverse*.
In a nearby library window, the Association of American University Presses is exhibiting the Penn State Press's *Gymnastic Safety Manual*, together with other winners of the organization's annual

design and manufacture awards. The manual was edited by Gene Wettstone and designed by Glenn Ruby, with production supervised by Janet Dietz.

Craft classes offered

The second summer session of classes offered by the HUB Craft Centre will begin next week, and registration is being conducted now. Memberships are also available to persons interested in using Craft Centre facilities and equipment.
Courses are started Sunday through Thursday evenings, and a few are also offered mornings. Batik, macramé, stained glass, hand-built pottery, and wheel-thrown pottery are the subjects this session. For additional information, call 863-0611.

WPSX Highlights

In November, 1977, Amnesty International, U.S.A., honored victims of political persecution throughout the world - those individuals whose plays, poetry, music, and journalism have led to the forfeiture of their freedom. Art Buchwald hosts public television coverage of this event Friday, July 21, at 9 p.m. on *The Night of the Empty Chairs*. American peer stand-ins filled the empty chairs of their persecuted counterparts.
Wagner's opera *The Flying Dutchman* will be presented on Opera Theatre Monday, July 24, beginning at 9 p.m. Norman Bailey and Gwyneth Jones star in the production.
Tuesday, July 25, at 8 p.m., modern Hawaiians retrace an ancient journey across the 3,000 miles of ocean from Hawaii to Tahiti on *Voyage of the Hukule'a*, a National Geographic Special.

Wednesday, July 26, at 8 p.m., Nova provides a rare look at Zaire's Mbun pygmies, revealing the secrets of a culture that has survived for thousands of years, untouched by modern civilization.
Members of the Los Angeles Actors Theatre - Ralph Waite, Donald Moffat, and Dana Elcar - star in Samuel Beckett's classic absurdist drama, *Waiting for Godot*, Wednesday, July 26, at 9 p.m. on Great Performances.

Grant fields include agriculture, natural resources, oceanography, environmental urban and regional planning, industrial technology, energy, biomedical sciences, and basic sciences. Deadline is Aug. 21. Request applications from Mr. Charles Garvey, Office of Advanced and Applied Technology Affairs, Bureau of Ocean and International Environmental and Scientific Affairs, Room 4327A, Department of State, 2201 C Street, N.W., Washington, D.C. 20520 (Ref 43FR30002-3, 07/12/78).
(319-2) The Association of American Colleges announces a two year Quality in Liberal Learning (QILL) program of direct costs made possible by a grant from the Ford Foundation. Eligible projects may fall within three themes and should show application beyond the host campus. Themes are: 1) helping communities between or among the humanities, social sciences, and natural sciences; 2) strengthening the liberal learning component of continuing education; and 3) helping integral liberal learning with career and professional education. Awards range from \$10,000 to \$100,000 and are expected to average \$2,500. Faculty administration, staff, or students are eligible. The next three deadlines are Oct. 16, Feb. 15, 1979, and June 15, 1979. Application may be made at any time.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 3 p.m. July 27, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

APPLICATIONS/PROGRAMMER ANALYST, MANAGEMENT SERVICES - University Park Responsible to designated project leader for conducting analyses of data processing operations, supporting the degree audit system; determining detailed requirements for upgrading operational systems and preparing computer programs to satisfy the end result. Make presentations and submit written reports. Assist in providing direction and control within the specifications of project schedule. Bachelor's degree or equivalent in basic computer systems and one to two years of directly related experience in computer programming and analyses is required. A working knowledge of COBOL and PL/I is highly desirable.
COORDINATOR, CAMPUS RESIDENTIAL LIFE - Hazleton Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the Residence Hall Program, which includes administrative, educational, cultural and personal services to the students. Assumes full responsibility for the residence hall in the absence of the supervisor. Bachelor's degree or equivalent plus at least one to two years of directly related experience is required, or a

master's degree or equivalent in student personnel or related field with three to six month's residence hall experience. This is a 10-month continuing position.
SUPERVISOR, CRITICAL CARE MONITORING, COLLEGE OF MEDICINE - Hershey Responsible to the Patient Unit Coordinator for the administration and coordination of the critical care unit monitoring system to include the supervision of a varying number of critical care monitoring technicians. A bachelor's degree in electrical or electronic engineering or equivalency, plus one to two years of directly related experience.
APPLICATIONS/PROGRAMMER ANALYST, MANAGEMENT ENGINEERING - University Park Analyze, design, and develop data processing systems. Provide operational support for implemented systems. Bachelor's degree or equivalent training in computer science or related field plus one to two years of experience in data processing system design and development. Proficiency in COBOL and/or BASIC desired.
PROGRAMMER, UNIVERSITY LIBRARIES - University Park Responsible for analysis, program design, coding, documentation, and other programming tasks required to develop an operational on-line bibliographic data-base. Bachelor's degree or equivalent in computer science or related field, plus two years of directly related experience preferably in data-base design or on-line multi-access computer systems.
NURSE, IN-PATIENT AND EMERGENCY ROOM, STUDENT AFFAIRS - University Park Responsible to Head, College Health Nurse, In-Patient and Emergency Room, for providing nursing service in the in-patient service area and for the emergency room and assisting licensed physician and dentist in-patient care. Graduate from an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience.

Funding Sources

For further information, call 865-1372

(319-2) The U.S. - Spanish Joint Committee for Scientific and Technological Cooperation announces the availability of research grants to U.S. postdoctoral scientists for work in Spain between Nov. 1, and October 31, 1979. Six to ten month periods are available as well as one to three month short stays.

Obituary

Dr. Carl W. Hasek, professor emeritus of economics and a member of the faculty from 1914 to 1949, died June 22. He was 89 years old. Dr. Hasek was head of the department of economics and sociology and organized the Bureau of Business Research at Penn State, serving as its first director. The author of *Principles of Economics*, he had a B.A. from Lehigh, M.A. from Harvard, and Ph.D. from Columbia.

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Penn State

Reporter

Intercom

PENN STATE ROOM
107 CENTRAL PATTEE

From the Trustee Docket

Mellon Trusts give funds to promote academic excellence

The Trustees have established a Fund for Academic Excellence to be built on the foundation of a new grant of \$500,000 to the University from the Richard King Mellon Charitable Trusts of Pittsburgh.

The Mellon Trusts support was announced by Provost Edward D. Eddy.

The grant will be used to establish a new fund emphasizing academic quality, according to Dr. Eddy. "The monies are to be expended by the President and the Provost on the highest priorities of the institution which cannot be met from other funding available to the University.

"The overall goal of the Fund is the improvement of instruction and research, with special attention given to the enhancement of quality and distinctiveness in educational programs.

"This kind of special enrichment is needed badly and will act as a catalyst for additional funds designed to improve the University's educational programs."

The Mellon grant, to be made in two grants of \$250,000 in 1978 and 1979, is to be augmented on a continuing basis by contributions from non-governmental gifts, including those from alumni.

According to Provost Eddy, "The Fund for Academic Excellence will act as an internal foundation with projects including, but not limited to, the identification and encouragement of young teacher-scholars, special programs in the field of conservation and management of natural resources, the study of ethics and values in American

society, and innovations in content and method in the teaching process."

The trustees of the Mellon Trusts have indicated a special interest in applying funds toward programs in conservation and management of natural resources.

"The Mellon Trusts grant for special projects in such fields as conservation," Dr. Eddy added, "will now make it possible for Penn State to go well beyond the basic support which is available from State and student sources."

Austere budget adopted

The Trustees adopted a maintenance and operating budget for 1978-79 which avoids a tuition increase beyond the one approved last January, effective for the spring term. This increase continues into this academic year.

"The Penn State budget for 1978-79 is an austere one," President John W. Oswald said. "With a State appropriation of \$112 million and with additional cutbacks in permanent budgets, I am pleased we were able to avoid a further tuition increase and at the same time provide adjustments in salaries and overall compensation."

"Funds in the budget for salary adjustments are needed to meet a variety of needs," he added. "Portions of these funds will be used for basic salary increments, for merit increases, for promotions and reclassifications, and for certain equity and market considerations."

The general funds portion of the total operating budget approved by the Board

supports the University's basic programs of teaching, research and service. It is supported primarily by tuition from students and State appropriation funds.

Dr. Oswald told the Trustees that the gap between the appropriation requested and the appropriation actually approved by the legislature was being closed by: 1) eliminating \$3 million proposed to restore previous cuts; 2) eliminating needed expenditure increases of \$3.7 million; 3) making further internal budget reductions and reallocations of \$2.2 million; and 4) increasing net revenue from tuition by \$3.6 million by continuing the increased rates approved by the Trustees last January.

The \$203,094,000 general funds budget excludes self-supporting activities of the University, such as residence hall programs, Hershey's teaching hospital, intercollegiate athletic programs, book stores, and other auxiliary enterprises. Also excluded are some \$47.7 million that the University receives in the form of contracts, grants, and gifts in support, primarily, of research.

The operating budget, including the general funds portion, all auxiliary enterprises and federal research grants, totals \$387,000,000 — an increase of 4 percent over last year's figure of \$370,997,000. Of the budget total, 28.9 percent comes from State appropriations.

Hershey tuition increased

Tuition for medical students at the College of Medicine has been increased by the Board of Trustees by \$440 for Pennsylvania residents, or some 11 per cent.

Effective with the fall term in September, full-time medical students who are Pennsylvania residents will pay \$4,400 a year. The tuition increase was necessary to provide a balanced operating budget for the College of Medicine. Income from tuition is used for educational purposes. The Medical Center's hospital and auxiliary enterprises generate their own funds and are self-supporting.

This new rate will be among the highest of state-supported medical schools in the United States. Rates for out-of-state students will also increase 11 per cent, or \$686. The new annual tuition rate for out-of-state students will be \$6,936.

President John W. Oswald said the tuition increase was necessary because no change was made by the Legislature in the per capita appropriation for medical students.

"The per capita appropriation at the College of Medicine has not changed since 1971-72," he added.

Dr. Oswald said that all possible options to hold tuition increases to a minimum were employed in the College of Medicine but that costs, due primarily to inflation, had increased sharply.

11 appointed to Steering Committee

Eleven faculty members, students and administrators have been named to serve on a Steering Committee that will coordinate the development of a new Penn

State Academic Policy Plan for the 1980s.

Steps to develop the new plan were initiated last November when the University's Board of Trustees directed that the current Academic Policy Plan, enacted in 1972, be revised.

Dr. Stanley O. Ikenberry, senior vice president for administration, told the University's Trustees that the following faculty and staff members had been asked to serve on the Steering Committee:

Dr. George J. McMurtry, chairman-elect of the University Faculty Senate and professor of electrical engineering; Dr. Murray S. Martin, chairman of the Senate Committee on Planning and Development and associate dean of the University Libraries; Dr. James M. Beattie, dean of the College of Agriculture, professor of horticulture, and a representative of the Council of Academic Deans; and Dr. Thomas D. Larson, chairman of the Task Force on Purpose, Programs, and Priorities, and professor of civil engineering.

Also, Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Recreation, professor of physical education, and chairman of the Task Force on Students and Society; Dr. Carol B. Cartwright, chairman of the Task Force on Faculty and Staff and associate professor of education; Dr. John W. Malone Jr., chairman of the Task Force on Resources and Supporting Services and head of the Department of Agricultural Economics and Rural Sociology; and Dr. Randolph C. Albright, chairman of the Student Academic Assembly.

The committee membership will also include a representative of the Council of Commonwealth Campus Directors.

Dr. Ikenberry and Dr. Edward D. Eddy, University provost, will act as co-chairmen of the Steering Committee.

Two staff members serving the committee will be Dr. Kenneth P. Mortimer, special consultant, professor, and director of the Center for the Study of Higher Education; and Dr. G. Gregory Lozier, University planning specialist in the Office of Budget and Planning.

According to Dr. Ikenberry, the plan will be based on four broad areas of investigation by University task forces. The task forces and their objectives are:

— Task Force on Purposes, Programs, and Priorities: to assess the historical role of the University and of other institutions in Pennsylvania higher education;

— Task Force on Students and Society: to define Penn State's constituencies, project enrollments, and anticipate shifts in demand for services;

— Task Force on Faculty and Staff: to consider staffing needs relative to the demands of the 1980s; and

— Task Force on Resources and Supporting Services: to examine the University's resources and supporting services and develop a realistic projection of them for the years to come.

Dr. Ikenberry said the role of the Steering Committee would be to work in conjunction with those four task forces and with the Committee on Educational Policy of the Board of Trustees, develop drafts of the new plan, and generally give coordination and direction to the effort.

(Continued on page 4)



One of a series of drawings by George Lavanish on display in Kern Commons.

Penn Staters

Dr. Wayne D. Lammie, the 1977 recipient of the University's John E. Wilkinson Award for Administrative Excellence in his role as associate director at Shenango Valley, has been named director of the Schuylkill Campus, effective July 24. He succeeds Henry I. Herring, who retired.

A graduate of Muskingum College, Dr. Lammie received his M.A. in history from the University of Pittsburgh and his Ph.D., also in history, from Ohio State.

He taught at Neshannock Junior-Senior High School for four years, joining the Shenango Valley Campus in 1966 to teach history and political science. In 1973, he was named acting assistant director for resident instruction. He received an academic promotion to assistant professor of history in 1973 and was named associate director for academic affairs in 1974.

Dr. Lammie is active in the Pennsylvania Association of Two Year Colleges and has served on two committees of the Southeastern Pennsylvania Higher Education Council.

Dr. Richard C. Bradt, professor of ceramic science and engineering, has been named head of the Department of Materials Science and Engineering.

He succeeds Dr. Philip L. Walker Jr., Evan Pugh professor of materials science and engineering, who will now devote full time to teaching and research. Dr. Walker has served as head of the department since its formation in 1967. It now has five sections—ceramic science and engineering, fuel science, metallurgy, polymer science and solid state science.

Dr. Bradt received his B.S. in metallurgy from Massachusetts Institute of Technology. His M.S. and Ph.D. degrees were granted by Rensselaer Polytechnic Institute. He joined the Penn State Faculty in 1967.

The co-editor of five sets of proceedings of international symposia, he has published nearly 100 scientific papers. His main research efforts have been directed toward characterizing the mechanical behavior of a wide range of ceramic materials through the use of strength and fracture mechanics techniques.

In 1973, he received the Matthew J. and Anne C. Wilson Outstanding Teaching Award of the College of Earth and Mineral Sciences. He is a Fellow of the American Ceramic Society.

Ernst Ignatz Schurer, formerly of Yale University and the University of Florida, has been named professor and head of the Department of German. He succeeds Dr. Richard K. Seymour, who has chosen to return to full-time teaching.

A native of Loning, Germany, Dr. Schurer earned his B.A. with highest honors at the University of Texas and his M.A. at Yale, where he was a Woodrow Wilson Fellow. Following a year of study in Berlin on an exchange fellowship at the Free University, he returned to Yale to complete his Ph.D.

From 1965 to 1973, he taught in the Department of Germanic Languages and Literatures at Yale, serving as director of undergraduate studies and director of graduate studies in German. He was awarded a Morse Fellowship in 1968 and spent the following academic year in West Berlin, doing research on Expressionism in the archives of the Academy of Arts.

Awarded an Alexander von Humboldt Fellowship in 1973, Dr. Schurer was also appointed professor in the Department of Germanic and Slavic Languages and Literatures at the University of Florida that year. At Florida, he served as undergraduate and graduate coordinator, and as acting chairman of his department. He was awarded an extension of the Alexander von Humboldt Fellowship for the 1976-77 academic year.



Dr. Lammie



Dr. Bradt

Dr. David Nahrwald has been appointed associate dean for patient care of the College of Medicine. Dr. Nahrwald will continue to serve as professor of surgery and as chief of general surgery, a position he has held since 1974. He came to Hershey as associate professor of surgery in 1970 from Indiana University, where he had been assistant professor of surgery since 1968.

Dr. Nahrwald holds A.B. and M.D. degrees from Indiana University. He also served his surgical internship and residency there. He then worked as a U.S. Public Health Service trainee in gastrointestinal physiology at the University of California at Los Angeles. He is the author of 73 published articles and abstracts dealing with both basic science and clinical disciplines, specifically gastrointestinal physiology and surgery. His particular area of interest has been research in the mechanisms and control of gastrointestinal secretions.

Dr. Simon Belasco, professor of Romance linguistics and director of the Linguistics Program, has been named a Fellow of the Institute for the Arts and Humanistic Studies. Dr. Stanley Weintraub, director of the Institute and research professor of English, has announced.

Dr. Belasco, who helped to create and develop the undergraduate and graduate programs in linguistics, was an instructor in Romance languages and a research associate in audiology at the University of Pennsylvania, and a research associate in psycho-acoustics at the Jefferson Medical College before coming to Penn State in 1953.

His fields of specialization are synchronic dialectology, acoustic phonetics and hearing theory, transformational grammar, and foreign language methodology. In recent years, he has conducted field research on the dialects of the Occitan language in southern France.

Dr. Robert D. Weaver, assistant professor of agricultural economics, recently presented invited lectures on his research into the effects of government policy and regulations on multiple product farm firms. The lectures were presented to the Departments of Agricultural Economics of Texas A&M University and the University of Massachusetts and the Department of Economics of Iowa State University.

Dr. Gerald C. Johnson, associate professor of computer science, has been appointed a 1978-79 National Science Lecturer by the Association for Computing Machinery.

Recently, he also presented a lecture on Image Processing to the chemistry department, UC-Riverside; lectured on x-ray diffraction at Pomona College, Claremont, Cal.; and lectured at the IBM Research Center, San Jose, Cal. Dr. Johnson directs research in computer applications at the Materials Research Laboratory.

The Pennsylvania Transportation Institute has named Dr. John E. Tyworth, assistant professor of business logistics, winner of its 1978 Research Initiative Grant. The award provides one month's summer support, plus continuing assistance during the 1978-79 academic year. Assistant professors at the University not affiliated with the Institute were eligible to apply for the grant. Dr. Tyworth will do research on rail on-time performance, shipper routing policies and freight car productivity.

Dr. Jeffrey S. Lannin, assistant professor of physics, presented invited lectures at Stanford University and Argonne National Laboratory in June. He discussed his research on the vibrational properties of amorphous phosphorus.

Retirements

Dr. M. L. Keith, professor of geochemistry and director of the Mineral Conservation Section in the College of Earth and Mineral Sciences, has retired with emeritus rank after 28 years on the faculty.

A native of Canada, Dr. Keith received his B.Sc. degree at the University of Alberta and his M.Sc. at Queens University, Kingston, Ontario. He earned his Ph.D. degree at the Massachusetts Institute of Technology. His early professional interests were in regional petrology and mineral resources in northern Canada.

He was lecturer and assistant professor of geology at Queens University for seven years before joining the staff of the Carnegie Institution of Washington in 1947. There he was involved in work that led to the first synthesis of silica-free synthetic garnets.

After joining the Penn State faculty in 1950, he worked with Dr. Rustum Roy, now professor of the solid state, in the preparation of other synthetic garnets.

In 1956, he was appointed director of the newly formed Mineral Conservation Section and returned to his earlier interests in mineral resources and the factors that control their regional distribution. Among other activities, he has been involved in extensive geochemical surveys in eastern Pennsylvania and plans to continue work in that area in which current research is aimed at improving methods of searching for deposits of uranium and thorium.

The author of more than 40 articles in professional journals, he is a fellow of the Geological Society of America.

Dr. Joseph A. Wigley, a professor of speech communication, has retired from the faculty. He came to Penn State in 1967 from Montana State University. Prior to that, he taught at Washington State University and Hibbing Junior College in Minnesota.

A graduate of the University of Washington, where he earned B.A. and M.A. degrees, Dr. Wigley was awarded a doctorate by Northwestern University.

The coauthor of two textbooks, *Oral Interpretation Workbook* and *Speech: A Course in Fundamentals*, Dr. Wigley was an advisor to the University Readers. He and his wife, Glendyne, plan to make their home in El Paso, Texas.

William L. Perry, assistant professor of physics at Berks, retired July 1 after 14 years at the campus. Prof. Perry earned his B.S. at Walla Walla College and his M.S. at North Western State College of Louisiana. He taught at North Western as well as at Sacramento Union Academy, Pacific Union College, Philippine Union College and Caribbean Union College.



Dr. Keith



Dr. Wigley

Bookshelf

Dr. Richard L. Gordon, professor of mineral economics, is the author of a new book, *Coal in the U.S. Energy Market*. The book was published in June by Lexington Books of D. C. Heath and Company, Lexington, Mass.

In the book, Dr. Gordon discusses the numerous problems that have confronted the coal industry since 1945, and examines the barriers to attaining the ambitious expansion goals that have been set for the industry.

Overall, the book provides a survey of coal production and consumption patterns; examines available forecasts of coal production; surveys the economics of coal production, distribution and use; and shows that, while coal use is certain to grow through the 1980s, future prospects are very uncertain.

Obituaries

Vivian Y. Enama, 49, a secretary at Hazleton Campus, died July 15. She had been employed at the University since 1959.

Alvin L. Hacker, a county agent from 1918 to 1951, died July 8. He was 88 years old.

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University Park Calendar

July 27-Aug. 6

Special Events

Thursday, July 27

Festival Theatre, Samuel Gallu, *An Offer You Can't Refuse*, world premiere, 8 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Friday, July 28

Fixed date for meetings involving Commonwealth Campus faculty.

Spectrum, Loretta Lynn Show, 7 and 9 p.m., Eisenhower Auditorium.

STO film, *The Spy Who Loved Me*, 7:45 and 10 p.m., Room 111 Forum.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Saturday, July 29

Behind the Scenes of Lu Ann Hampton Lavyer, *Oberlander*, 2 p.m., The Pavilion Theatre. Free tickets at The Playhouse box office.

Cinema Internationale, *L'Avanture, Let Joy Reign Supreme*, French with English subtitles, 7 and 9 p.m., Room 112 Kern.

STO film, *The Spy Who Loved Me*, 7:45 and 10 p.m., Room 111 Forum.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, July 30

Festival Theatre, *An Offer You Can't Refuse*, 7:30 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 7:30 p.m., The Pavilion Theatre.

STO film, *The Spy Who Loved Me*, 7:45 and 10 p.m., Room 111 Forum.

Monday, July 31

Kern Commons, "K Corral," a series of presentations depicting aspects of western life. Films, "Frontier America," and "Dapples and Bays, Pintos and Greys," noon, Kern Lobby.

Cinema Internationale, *Let Joy Reign Supreme*, 7 and 9 p.m., Room 112 Kern.

Tuesday, August 1

Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom. Kern Commons, "K Corral" lecture. Harrison T. Monteale, English, on "The Role of Women in Early American Fiction," noon, Kern Lobby.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Wednesday, August 2

Kern Commons, "K Corral," Karen Hirshon



Samuel Gallu (left) with Edward Binns

Gallu play premieres tonight at Playhouse Theatre

Festival Theatre is hosting a world premiere with the opening tonight (July 27) of *Mafioso, An Offer You Can't Refuse*.

The play was written and directed by Samuel Gallu, a Distinguished Alumnus of the University, and stars Edward Binns, a veteran character actor who is also a Penn State alumnus.

In the one-character play, Mr. Binns appears as Salvatore Bontempo, a third generation American "businessman." In a series of scenes, some comic and some dramatic, Salvatore speaks with other members of his family and his associates,

describing his rise to power. He even gives an eyewitness account of heaven.

Mr. Gallu is known as the author of *Giove 'em Hell, Harry* and has written numerous television and film scripts. Mr. Binns, returning for his third season with Festival Theatre, has worked for more than 30 years on stage and in films and television.

The play will run through Sunday, Aug. 13, with matinees on Aug. 6 and 13. For information and reservations, visit the Playhouse box office or call (814) 865-1884.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Thursday, August 3

Kern Commons, "K Corral," crafts demonstration, "How the West Was Won," noon, Kern Lobby.

WPSX Highlights

While stress, anxiety, and potential suicide have been part of the college scene for many years, alarming new statistics indicate that the problem of surviving four years of college is affecting a larger portion of our student population. Friday, July 28, at 9 p.m., an investigative report called **College Can Be Killing** considers the importance of the school environment and the ways colleges are dealing with the rising suicide rate.

The cultural efflorescence in Berlin during the brief span of fifteen years following the first World War is recalled in **Memories of Berlin: The Twilight of the Weimar Culture**, to be seen Sunday, July 30, at 10 p.m. Among those who recall Germany's cultural atmosphere in the 1920s and 30s are playwright Christopher Isherwood (*I Am a Camera*), pianist Claudio Arrau, and others.

"Kicking the habit" is the subject of **Tobacco Road**, a Dead End, Monday, July 31, at 8 p.m. Produced in cooperation with the American Cancer Society and the Pennsylvania Department of Health, the

half-hour special dramatizes the process leading to a decision to quit smoking and shows what's available to help. In conjunction with the broadcast of this special, WPSX-TV is conducting a community service project through the College of Health, Physical Education, and Recreation. A "Quit Kit" is available from 204 Wagner Building.

Leo Tolstoy's classic novel, *Anna Karenina*, which first came to public television earlier this year on Masterpiece Theatre, returns to Channel 3 Tuesday, Aug. 1, at 8 p.m. The ten-episode series will be broadcast at this time Monday through Wednesday during August.

Wednesday, Aug. 3, at 9 p.m., Great Performances presents *Out of Our Father's House*, a one-hour drama based on the book, *Growing Up Female in America* by Eve Merriam.

During a unique journey which lasted for more than eight years and covered more than 150,000 miles, architect/historian G. E. Kidder Smith evaluated over 2,000 American buildings. His personal chronicle of American architecture is the basis for *An Architectural Odyssey* with G. E. Kidder Smith, Wednesday, Aug. 2, at 10 p.m.

Funding Sources

For further information, call 865-1372

(320-3) There are resource materials available to assist with writing and processing proposals, including "Proposal Writing: A Guide and Policy and Procedure in Research," both University Research and Graduate Studies publications. Also available is a "Proposal Development Handbook" from the AASC Office of Federal Programs and a "Guide for Seeking Private Gifts" from the University Office of Gifts and Endowments.

To assist in the location of project funding sources, Preliminary Proposal Outline (PPO) forms are available to provide the structure for a key-word descriptive sketch of the project. From this sketch, a search of both public and private sources is made and the information provided to the project initiator. Projects may be in the fields of research, instruction, continuing education or fellowships. The above materials may be ordered and/or the project funding search mechanism started by calling 865-1372 (Network 7-475-1372).

FELLOWSHIPS

For further information, inquire at 320 Kern or call 865-2514

(320-2) Foundation Fund for Research in Psychiatry (100 York Avenue, New Haven, Conn. 06517, phone 203-779-5558) offers senior fellowships for research to enable recognized scholars in psychiatry and its basic sciences to take sabbatical leaves

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Friday, August 4

Kern Commons, "K Corral," films, "Heroes and Villains," "West the Wind Blowing," noon, Kern Lobby.

STO film, *Rocky*, 7:45 and 10 p.m., Room 111 Forum.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre. Square Dance Festival, 8 p.m.-midnight, HUB.

Saturday, August 5

Square Dance Festival, 9 a.m.-midnight, HUB. Behind the Scenes of *An Offer You Can't Refuse*, 2 p.m., The Playhouse. Free tickets at the box office.

Cinema Internationale, *Camelot*, 7 and 9 p.m., Room 112 Kern.

STO film, *Rocky*, 7:45 and 10 p.m., Room 111 Forum.

Festival Theatre, *An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, August 6

Festival Theatre, *An Offer You Can't Refuse*, 2 and 7:30 p.m., The Playhouse.

Festival Theatre, Lu Ann Hampton Lavyer, *Oberlander*, 2 and 7:30 p.m., The Pavilion Theatre.

STO film, *Rocky*, 7:45 and 10 p.m., Room 111 Forum.

Exhibits

Anthropology Museum: open Tuesday, Wednesday, Thursday, noon-4 p.m. "The World of Music."

Chambers Gallery: Vitold Kobaz, Karl Love and Gregg A. Merica - mixed media.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., Steidle Bldg.

Frost Entomological Museum: open 9 a.m.-noon, 1-4:30 p.m., weekdays. Live aquatic and live seasonal insects. Room 102 Patterson.

Kern Commons Gallery: George Lavanish, wildlife drawings, through August 5. Paul Flexner, oil paintings, and Surinam wood carvings from the American Museum of Natural History, New York City, both open July 29.

Pattee Galleries: Amish quilts, East Corridor Gallery, through August 1. Dawn Ullery, watercolors, Lending Services Lobby, through July 31.

Robeson Cultural Center: African fashions, through July 31.

Sackett Gallery: PSU architecture students, "The Architectural Component of Light," drawings, photos and models.

(320-3) National Institutes of Health (Senior International Fellowship Program, Scholars and Lecturers Program Branch, Fogarty International Center, Bethesda, MD 20014, phone 301-466-1653) has set Dec. 1 as the next deadline for senior fellowships. U.S. biomedical mid-career staff members can apply for fellowships to go abroad to share their expertise.

(320-4) U.S. Law Enforcement Assistance Administration (Office of Criminal Justice Education and Training, Attn: Mary Ellen Brice, 633 Indiana Avenue, N.W., Washington, D.C. 20521, phone 202-376-3560) has set Oct. 1 as the deadline for applications for 1979 graduate fellowships for dissertation research in crime-related fields. Application is initiated by submission of a concept paper which, if approved, leads to an invitation for formal application by Jan. 1 for an award of up to \$10,000.

Surinam carvings at Kern

The Commons Gallery will present an exhibition, *Wood Carvings by the Bush Negroes of Surinam*, from July 29 through Aug. 19. The rare carvings are on loan from the American Museum of Natural History in New York City.

They are part of a collection brought back by Dr. Morton Khan and Dr. Melville Herskovits from scientific expeditions in the late 1920s.

Trustee docket

(Continued from page 1)

Step taken to set up endowed chair at Hershey

A major step toward a cohesive, wide-ranging program for education, research and care of childhood cancer in Pennsylvania was taken by the Board, which set up the Four Diamonds Endowment Fund for a chair in Pediatric Oncology at the Hershey Medical Center.

The establishment of a named chair at the University requires a minimum principal of \$750,000. The interest produced is used towards the salary and support services for the physicians. Until the principal is reached, all funds received by the endowment fund will be accredited towards the principal for investment, including the income it earns during the interim.

The new endowment fund is being initiated with a principal of \$100,000 transferred from the funds contributed to the Four Diamonds Fund at Hershey by alumni, friends, corporations, individuals and organizations. The fund's executive committee can designate additional funds towards the endowed chair when the primary purpose of the Four Diamonds Fund is met, which is to pay the cost of care incurred by families with children with cancer who are patients at the Medical Center.

Airport tract leased

The Board of Trustees approved leasing a tract of land at the University Park Airport for construction of temporary facilities to serve commuter passengers more effectively. No University funds are involved in the project.

A three-acre tract at the airport is being leased to the Centre County Authority for a period not to exceed three years. The Authority plans to construct a temporary gravel parking lot and a temporary terminal-ticket office.

Gift funds allocated

The Trustees approved the allocation of \$124,740 of undesignated gift funds contributed by alumni and friends of the University.

The funds are used for the enrichment and enhancement of special University projects not normally covered by State funds. The projects are directed toward promoting academic excellence.

The largest portion, \$49,000, was allocated to student aid. The Alumni Memorial Scholarship program received the award to meet funding requirements for 1978-79. The scholarship program was established "to recognize and attract outstanding undergraduate students who demonstrate exceptional academic achievement or promise." The first awards were made in 1954.

A total of \$35,900 from alumni and friends was earmarked for enrichment of campus life and cultural offerings, including:

- \$10,000 to help cover the cost of the one week residency of the Pittsburgh Symphony Orchestra.

- \$5,000 to provide funds for two trips to Pittsburgh for the University Choirs to perform and be tape recorded with the Pittsburgh Symphony Orchestra.

- \$3,500 for the refurbishing of the student lounge in the Highgates Commons at Hazleton Campus.

- \$1,600 for materials to supply a student arts and crafts studio at Hazleton Campus.

- \$2,000 to improve the agates collection and update the fluorescent mineral exhibit in the Earth and Mineral Sciences Museum.

- \$550 to the Department of English for a \$100 annual undergraduate poetry prize for five years.

- \$250 to the Department of Classics for display cases for Greek vases.

- \$3,000 to the Artists Series to provide modestly priced tickets and partial support

for transportation to school children from surrounding areas for a mini series on the lively arts.

- \$7,000 for essential lighting equipment for the auditorium of the Community-Student Learning Center at Berks Campus.

- \$3,000 to purchase original works of ethnic art of the Allegheny-Kiski Valley for permanent display in the new Kensington Campus art gallery.

The Trustees authorized expenditures of \$28,500 for improvement of campus environment. The projects include:

- \$400 to the Department of Entomology for display cases for insects.

- \$300 for a plaque in the Blue Band seating area at Beaver Stadium honoring the Band's late director, Dr. James W. Dunlop.

- \$1,800 for renovation of the reception room at Eisenhower Chapel.

- \$9,500 to the College of Health, Physical Education and Recreation to improve the existing jogging trail and develop the trail potential along the Bellefonte Central Railroad right-of-way.

- \$3,000 to provide trees, shrubs and flowers along the main entry way at The Milton S. Hershey Medical Center.

- \$5,000 to Handicapped Student Services to purchase a used van from fleet services and equip it for wheelchair access and transport.

- \$1,000 to beautify the indoor and outdoor areas of New Kensington Campus by adding plants, flowers and artworks.

- \$2,500 to design and implement the enhancement of the main entrance to Worthington Scranton Campus.

- \$2,000 to obtain the services of a landscape architect to develop a master plan for landscaping and beautification of Worthington Scranton Campus.

- \$3,000 to develop a fitness trail, one and one-half to two miles in length, plus exercise stations and signs at Behrend College.

The Board allocated \$10,025 to be used for innovation in academic programs. This includes:

- \$7,400 to the Career Development and Placement Center to revise and produce audio tapes describing Penn State majors and occupational opportunities.

- \$2,625 to the Division of Undergraduate Studies to cover publication costs of a reference of programs, activities and awards to recognize and foster superior scholarship.

Also approved was a request by Capitol Campus for \$1,275 to purchase three mouth-to-mouth resuscitation and cardiac compression dummies to prepare staff members for emergency medical situations.

The King of Prussia Graduate Center has moved to a new location in the Philadelphia area — a building in Radnor Township, Delaware County.

Trustees approved a change in the name of the Center to The Pennsylvania State University-Radnor Center for Graduate Studies and Continuing Education.

The programs of the former King of Prussia Graduate Center and the present University-Radnor Center for Graduate Studies will be offered through the new Radnor Center.

The new location provides excellent facilities for academic programs, according to Dr. James B. Bartoo, dean of the Graduate School.

"The facility is ideally located to make it easily accessible," he says. "There are a good network of highways for those using private transportation and also good transportation by rail and bus commuter lines."

New entrance for Hazleton

Final plans for construction of a new entrance at the Hazleton Campus were approved. The project is being undertaken by the Hazleton Campus Advisory Board,

which commissioned a firm to design the new entrance gateway. The Board will provide funds for the project.

Dr. William J. David, Hazleton Campus director, explains that curved stone walls will be built flanking the main campus entrance off Route 93. The walls will be lettered with the campus name and lighting will be provided for use at night. The project will include appropriate landscaping.

Berks plans submitted

Sketch plans for construction of the Human Resources Building at the Berks Campus have been approved.

The architectural firm of Muhlenberg Greene, of Reading, designed the structure, which is to be constructed with \$1.1 million raised through "Partners in Progress," a capital fund-raising campaign.

President John W. Oswald said that "The University is deeply indebted to the people of Reading and Berks County whose generosity made this building possible and extends a special thanks to new Trustee Howard O. Beaver for his excellent leadership of the 'Partners in Progress' campaign."

Dr. Harold W. Perkins, Berks Campus director, explains that the building will accommodate health and physical education needs and will serve, alternatively, as a convocation area seating more than 1,000 persons.

Hammond plans approved

Final plans for renovations to the glass-enclosed area that connects Hammond Bldg. and Sackett Bldg., made possible totally by gifts from alumni and friends of Penn State, were approved. The area will

be used for a variety of purposes, including a convocation area seating more than 1,000 persons.

Staff Vacancies

The following vacancies for positions classified as staff or exempt staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 3, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICE — Mont Alto. Responsible to the Manager of Housing and Food Services, Commonwealth Campuses. For assisting in supervising the overall operation of Housing and Food Service units. Associate in institutional management or the equivalent, plus two years of directly related experience in food supervision.

ASSOCIATE HOSPITAL DIRECTOR, COLLEGE OF MEDICINE — Hershey. Responsible to the Hospital Director for the administrative functions of the outpatient care program, outpatient Department, including outpatient registration and financial services. Emergency Care Unit, Family and Community Medicine and other departments of the teaching hospital. Responsible for the planning, organizing, directing, staffing, reporting, budgeting, and controlling activities in these areas. Master's degree in health care administration or its equivalent, with four to seven years of directly related experience as assistant hospital administrator.

PHYSICAL THERAPY TECHNICIAN, COLLEGE OF MEDICINE — Hershey. Responsible to the Assistant Manager, Physical Therapy, for assistance in administering prescribed programs of physical therapy. High school graduate equivalency, plus one to two years of directly related experience, one year of which should have been in a physical therapy department.

RESEARCH TECHNICIAN, COLLEGE OF MEDICINE — Hershey. Responsible to a principal investigator for the preparation, analysis and recording of laboratory experiments utilizing advanced procedures. A Bachelor's degree in biology, chemistry or equivalency, plus one to two years of directly related experience.

CAREER DEVELOPMENT COUNSELOR, STUDENT AFFAIRS — McKeessport. Responsible to the Dean of Student Affairs for conducting personal, educational, career and placement counseling programs. Assist with summer counseling and orientation. Assist with the work of the other Student Affairs and Campus divisions as assigned by the Dean of Student Affairs. Master's degree in clinical or counseling psychology, counselor education, or equivalent training, plus a minimum of two years of applicable professional experience in educational/vocational counseling or related experience.

serve as an Engineering Activities Center for seminars, informal meetings, conferences, award presentations, engineering honor society activities, and other activities.

Temporary road okayed

Final plans for construction of a temporary gravel road linking the State College Bypass with Beaver Stadium parking areas have been approved.

The temporary road, designed by the University's Office of Physical Plant, will begin at the end of the span from the Bypass to the Mountainview Unit of Centenary Community Hospital. It will continue across University property to Orchard Road and cross Orchard Road to reach football parking areas located to the east of Fox Hollow and Porter Roads.

Plans for the temporary road were approved by PennDOT and the college Township Council. These approvals are only temporary and apply only on Saturdays for the 1978 home football games.

The gravel road is to be adequately policed during those periods to assure that normal uses of Orchard Road and access to the hospital are maintained.

York parking area enlarged

Construction of 80 student parking spaces at the York Campus has been authorized.

Edward M. Elias, director of the York Campus, said the parking spaces are needed to accommodate present traffic, anticipated increased enrollment and to reduce on street parking by students in a residential area.

The cost of the additional parking spaces, not to exceed \$113,000, will be financed from student parking fees.

SENIOR ENGINEERING SYSTEMS ANALYST, MANAGEMENT ENGINEERING — University Park. Analyze, design, and develop computer based control systems and data processing systems. Specify hardware and software requirements, information requirements, and operational needs. Bachelor's degree in computer science or engineering, plus four to seven years of directly related experience in computerized applications. Master's degree with particular interests in computer based control systems.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Wilkes-Barre. Responsible to the Dean of Student Affairs for the administration and coordination of various functions within Student Affairs operations at the Wilkes-Barre Campus. Participate in the planning and conduct of Student Affairs programs and services in the following general areas: secondary school relations, student activities, career development and placement, cultural programs and orientation programs. Master's degree in student personnel administration, counseling, or related field and up to one year of effective experience, or a Bachelor's degree and equivalent in job related effective experience of more than two years.

PHOTOJOURNALIST, PUBLIC INFORMATION AND RELATIONS — University Park. Responsible for photography to be utilized as a photojournalist for local, state and national media to enhance the public image of The Pennsylvania State University. Plan and execute original and imaginative materials depicting University Park and Commonwealth College and social life. Bachelor's degree in photojournalism or its equivalent, plus three to four years of directly related experience with a newspaper or comparable publication.

COORDINATOR, CAMPUS RESIDENTIAL LIFE, STUDENT AFFAIRS — Schuylkill Campus, Abington Campus and Berks Campus. Responsible to the Dean of Student Affairs (or other specified assistant dean) for carrying out specific responsibilities for the Residence Hall Program. Assume full responsibility for the residence hall in the absence of the supervisor. Bachelor's degree or equivalent, plus at least one to two years of directly related experience is required, or a master's degree or equivalent in student personnel or related field or three to six months of residence hall experience.

COUNSELOR — Capitol Campus. Responsible to provide counseling, group facilitation, program development, and testing. Masters in counseling, or related field with supervising internship. At least one year of full-time college experience preferred. This is a temporary position from August 23, 1978, to June 27, 1979.

RESIDENCE LIFE ASSISTANT COORDINATOR, STUDENT AFFAIRS — Capitol Campus. Responsibilities include the supervision of resident assistants, liaison with Housing and Food Service, development of residence hall programming, advising of residence student government, and maintenance of order in the residence halls. Resident living in residence hall. Bachelor's degree in student personnel or related area and up to two years of experience. This is a ten-month appointment from September through June of each year.

Brown administrator is new dean of Human Development College

Dr. Carole Leland, director for the Study of Coeducation at Brown University, has been appointed dean of the College of Human Development, effective Aug. 21.

"The University is pleased and honored that an individual of Dr. Leland's stature has accepted this position of leadership in the College of Human Development," President John W. Oswald said.

Dean Leland succeeds Dr. Donald H. Ford, dean of the College since 1967, who resigned to return to full-time teaching and research last year. Since that time, Dr. Joseph H. Britton, professor of human development and head of the University's Gerontology Center, has been serving as acting dean.

Provost Edward D. Eddy noted that Dr. Leland's "education and experience make her ideally qualified to serve in the important role of dean of the College of

Human Development."

Dean Leland, a graduate of Syracuse University, received her M.Ed. in history and philosophy at Harvard University and her Ph.D. in sociology at Stanford University. She has done post-graduate study at Rutgers University, Boston University and the University of Rochester.

She was a member of the faculty at City University of New York from 1972-1976 and then served as project director of Training Institutes in Allied Health Administration for the American Association of State Colleges and Universities. She has been at Brown University since 1976.

Dean Leland taught in public schools in New Jersey and Massachusetts and served for one year as placement officer at the University of Massachusetts. While at

Stanford, she was a research associate for the Institute for the Study of Human Problems. She served for five years in various capacities with the College Entrance Examination Board and in 1971-72 was assistant professor of higher and adult education and assistant dean for student affairs at Teachers College, Columbia University.

Author of publications for professional journals, many of which deal with educational programs for women, she also has served as a consultant to the Department of Health, Education and Welfare, the United Nations Development Program and the Government of Pakistan, and a number of colleges and universities.

Dean Leland currently is a trustee of Pratt Institute and from 1974-76 was a member of the Commission on Women in Higher Education of the American Council on Education.



Dr. Leland

August 3, 1978

Penn State

Reporter Intercom

PENN STATE ROOM
* 107 CENTRAL PATTEE

Penn State's Plan for the '80s is taking shape

Editor's note: During a recent press conference, President Oswald noted that planning, both short- and long-term, is among his highest priorities. At the direction of the Board of Trustees, he has set in motion the development of a Penn State Plan for the 1980s.

The organization of the plan has been placed under the purview of Dr. Stanley O. Ikenberry, senior vice president for administration, and Provost Edward D. Eddy. They will serve as co-chairmen of a Steering Committee giving general direction to the total effort.

Because of the importance of the planning process to both faculty and staff, INTERCOM is publishing the following interview with Dr. Ikenberry.

A COMPARISON

Penn State's first Academic Policy Plan was put together to chart a course for the '70s.

But because the next decade will bring new opportunities and problems, the Plan for the '80s, according to Dr. Ikenberry, is expected to differ from its predecessor in at least five major regards:

- (1) The 1972 document was largely

concerned with the broad mission of the University — teaching, research and public service. The new plan will get down to the more specific level of College and department program priorities.

- (2) Hard-nosed income and expenditure projections were missing from the earlier plan. Resource realities and supporting services will be carefully analyzed in the '80s' version.

- (3) There will be a much closer link between program priorities and resource planning.

- (4) What does Penn State want to be? What is its vision of the future? More emphasis will be placed on strategic planning — where we are going — as well as tactical planning — how we intend to get there.

- (5) The 1980s' Plan will be more flexible than its predecessor, with the capability of being easily updated and adapted to changing circumstances.

GETTING STARTED

To begin the planning process, a statement of objectives and a group of basic assumptions about Penn State were

developed, Dr. Ikenberry explains.

Then, last January, the President invited a number of key groups to define the issues they thought should be included in a new plan. Input was received from the Faculty Advisory Committee, the Student Academic Assembly, the University Council, the Senate Committee on Planning and Development, the Council of Academic Deans, the Council of Commonwealth Campus Directors, and the President's staff.

At the same time, a limited number of "white papers" were solicited from faculty and administrators on issues ranging from research priorities to the roles of the Campus in the '80s. The door was also left open for unsolicited white papers, several of which were received.

OBJECTIVES

From these varied sources, the following statement of objectives was developed:

- (1) The Plan should reexamine the University's purpose and mission, its programs and priorities in the context of Penn State's history and aspirations and its relationships to the rest of higher education in the Commonwealth.

- (2) The Plan should be comprehensive, concerned not only with academic policies and programs, but also with the physical and financial resources and supportive services critical to implementation.

- (3) Quantitative and qualitative assessments of the University's principal resources — academic programs, faculty and staff, physical plant and fiscal resources — should be made, along with enrollment projections and consideration of other constituencies served by the University through teaching, research and public service.

- (4) Assessment of enrollment options should be carried out in concert with a reexamination of recruitment policies and strategies.

- (5) The Plan should promote the concept and the fact of academic quality, while at the same time maintaining a balanced response to resource realities and societal needs.

- (6) The Plan should promote increased harmony, coordination, and efficiency in the functioning of programs offered through resident and continuing education.

- (7) The Plan should develop mechanisms for resolving disparities between student desire for particular programs and Campuses and the University's capacity to respond to that demand.

- (8) Forces influencing change in the University during the next decade should be defined and strategies for shaping and directing change recommended.

- (9) The framers of the Plan must recognize that attitudes toward change will become an increasingly critical factor as the forces for change become greater.

- (10) The process should emphasize open communication and consultation to strengthen understanding of the issues of the 1980s and the direction the University will take.

- (11) Recommendations set forth in the Plan should be imaginative and at the same time practical and realistic.

In commenting on these objectives, Dr. Ikenberry notes that part of the value of updating the Plan lies in the planning

(Continued on page 3)

Schraer named as assistant provost



Dr. Schraer

Dr. Rosemary Schraer, professor of biochemistry and associate dean for research in the College of Science, has been appointed assistant provost of the University.

She succeeds Dr. Robert M. Smith who has been named dean of the College of Education at Virginia Polytechnic Institute and State University. Dr. Schraer's appointment is effective Sept. 5.

In announcing Dr. Schraer's appointment, Provost Edward D. Eddy said, "I welcome this addition of a sound and experienced scholar-administrator who now moves from a College setting to a University-wide responsibility."

In keeping with the emphasis within the Office of the Provost, Dr. Schraer will

(Continued on page 4)

Statement

Tuesday, Aug. 1

The negotiating session I ordered with representatives of The Pennsylvania State University and Teamsters Local No. 8 ended at 3 a.m. today. No progress was made.

Because the parties are so far apart, there is no point in continuing the discussions today.

I am going to ask both parties to reassess their positions. Unless there is some reconsideration on both sides, settlement is not possible.

William J. Smith
Mediator

Penn Staters

Dr. Sumer C. Aggarwal, professor of management science, has received a Fulbright-Hays award. He will lecture on industrial and operations management at the Moscow Institute of Management in the Soviet Union from February to May next year.

Dr. Daniel Walden, professor of American studies, will present an invited talk this summer at the first International Popular Culture Institute in Chichester, England, on "The Sports Hero in American Life."

Dr. Daniel M. Landers, associate professor in the Motor Behavior Laboratory, was re-elected as publications director of the North American Society for the Psychology of Sport and Physical Activity (NASPPSA) at the annual meeting of the society in Tallahassee, Fla., May 21-24.

Howard O. Triebold Jr., manager of Safety Services, was elected treasurer of the Campus Safety Association at the organization's annual meeting in Champaign, Ill., last month.

Dr. Walter S. Ceglowski, associate professor of microbiology, presented an invited paper at the 8th International Congress of the Reticuloendothelial Society in Jerusalem, Israel, in June. He spoke at a symposium on "Environmental Factors Influencing the Reticuloendothelial System."

Dr. John W. Sloum Jr., professor of organizational behavior, has been named editor of the *Academy of Management Journal*. The journal is a quarterly publication with a circulation of more than 6,000 and contains articles in the fields of business policy and strategy, management consulting, organization and management theory, operations, and manpower management.

Dr. Harold G. Richard, senior planning specialist, Planning Services Division, Office of Budget and Planning, has been named director of institutional research and studies at Southern Illinois University. Dr. Richard came to Penn State in 1964 to work on advanced systems development at ORL. He has also been associated with the Center for the Study of Higher Education, the Office of the Vice President for Student Affairs and Management Information Systems. A graduate of the U.S. Naval Academy, he earned his M.S. in industrial engineering and his Ed.D. in higher education, both at Penn State.

Dr. Donald G. James, professor of mathematics, presented a series of invited talks to the mathematics department at the Johannes Gutenberg University, Mainz, West Germany, in June. Dr. James discussed the structure of unitary groups.

Dr. S. M. Farouq-Ali, professor of petroleum and natural gas engineering, recently presented an invited three-day seminar in Spanish at the University of Zulia at Maracaibo, Venezuela, on the latest techniques for steamflood stimulation of petroleum reservoirs.

Promotions

The following promotions have been announced by the College of Agriculture:

Extension Agent to Senior Extension Agent:
Clarence E. Craver, McKean County;
Thomas B. Jurchak, Lackawanna; **Anna Mae Lehr**, Columbia; **Velma C. Musser**, Montgomery; **R. Blaine Schlosser**, Crawford; **John Z. Shearer**, Franklin; **Charles M. Skillington**, Elk; **William E. Urash**, Erie; **Joseph H. Way**, Montgomery; **Edward J. Woods**, Washington.

Associate Extension Agent to Extension Agent:
Vernon A. Brose, Northumberland,

Ronald L. Hostetter, Cambria; **Ethel Ann Jones**, Snyder; **Patricia H. Leach**, Indiana; **Alan H. Michael**, Allegheny.

Assistant Extension Agent to Associate Extension Agent:

James J. Grippio, Clearfield; **Edward L. Horning**, Centre; **John M. Pope**, Bucks; **Marcell A. Seckman**, York.

The following persons have been promoted from instructor to assistant professor, effective July 1.

Fanny Arguello, Spanish, Altoona;
Richard Betts, English, Delaware County;
Robert M. Brown, education, University Park; **Sylvia E. Deutsch**, speech pathology, University Park; **Halbert H. Holloway**, speech communication, Mont Alto; **Carol Leisenring**, economics, University Park; **Sharon Parzanese**, business administration, University Park; **Clyde W. Payne**, education, University Park; **Darby S. Ramsey**, music education, University Park.

Rosalie Ammerman to secretary B in Housing and Food Services.

George R. Barr to assistant supervisor, equipment records in Controller's Office.

Mary L. Beckey to senior clerk at Capitol Campus.

Susan Benfer to secretary C in Earth and Mineral Sciences.

Dorita Bolger to library assistant at Shenango Valley.

Janet R. Boone to senior accounting clerk in Business Administration.

Martha R. Bowman to auditing clerk in Controller's Office.

Nellie G. Boyle to secretary B in Human Development.

Susan J. Bunnell to secretary B in IRP.

Joy Creeger to clerk-typist B in Liberal Arts.

Theresa J. Crissman to technical secretary C in Continuing Education.

Carmella R. DiMaggio to secretary B at Hershey.

Debbie Gauthier to clerk, stenographer A in Education.

Cheryl A. Hesley to receptionist-typist in Business Services.

Marjorie W. Herman to secretary C in Human Development.

Kathy Ishler to secretary B in Earth and Mineral Sciences.

Deborah K. Kreiser to bookkeeper, general ledger at Hershey.

Tammy L. Leathers to secretary C in Agriculture.

Arlene H. Liddy to personnel assistant at Hershey.

Judy A. Lightner to programmer in Management Services.

Diane E. Livingood to senior manuscript typist at Hershey.

Joyce C. Lucas to production coordinator in Management Services.

Patricia A. Millbyer to clerk, billing A in Student Affairs.

Louise M. Morgan to senior research technician at Hershey.

Elizabeth L. Musselman to research technician at Hershey.

Patricia L. Naiman to head/college health nurse-inpatient and emergency room in Student Affairs.

Becky M. Nilson to secretary A in IRP.

Sherry D. Price to clerk-typist A in Earth and Mineral Sciences.

Mary E. Ramsey to senior systems programmer in IRP.

Lynn A. Rothrock to applications programmer-analyst in University Libraries.

Kathleen Ruffner to secretary C in Human Development.

Allen T. Samuelson to senior staff nurse at Hershey.

Kathryn Seifchick to manuscript typist in Earth and Mineral Sciences.

James K. Shillenn to energy education specialist — technology transfer in College of Engineering.

Roseann Sieminski to financial officer in Controller's Office.

Penny L. Singleton to secretary B in President's Office.

Stephanie Campbell Smith to senior research technician at Hershey.

Elmor R. Snow to publications editor in Continuing Education.

Lois E. Summers to secretary A in Education.

Christine Templeton to secretary B in Liberal Arts.

Deborah A. Theis to clerk, cashier at Hershey.

Cynthia D. Tressler to clerk A, Health Insurance Claims in Personnel Administration.

Ruthann Walmer to clerk A at Hershey.

Clifford G. Way to coordinator, housekeeping standards, procedures and preventative maintenance in Housing and Food Services.

Marsha H. Wilkins to administrative aide in College of Science.

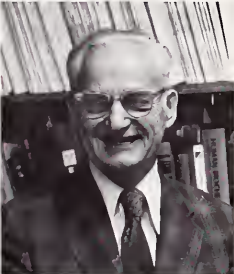
Susan Winter to abstract clerk in Earth and Mineral Sciences.

Devra L. Wolfe to employee benefits clerk in Personnel Administration.

Retirements



Dr. Goddard



Dr. Clagett

Dr. Maurice K. Goddard, former director of the School of Forest Resources and currently State Secretary of Environmental Resources, retired from the University July 1 with the rank of professor emeritus of forestry.

Dr. Goddard, a member of Penn State's Board of Trustees for the past seven years, has been on leave since 1955 when he joined State government as Secretary of Forests and Waters.

Dr. Goddard came to Penn State in 1935 as an instructor of forestry at Mont Alto, after receiving his B.S. from the University of Maine. He took a year's leave in 1937 to earn his M.S. at the University of California. During World War II he was a lieutenant colonel, serving as chief of military personnel, Adjutant General's Division, Supreme Headquarters, Allied Expeditionary Forces in Europe. Before leaving the Army he was awarded the

Legion of Merit and the Bronze Star.

Returning to Penn State in 1946, Dr. Goddard was appointed director of the Mont Alto Campus. In 1952 he became head of the Department of Forestry, and two years later, when the department was reorganized as the School of Forestry, he was named director.

This year in recognition of Dr. Goddard's deep commitment and dedication to conservation and prudent utilization of natural resources, the Maurice K. Goddard Chair in Forestry and Environmental Resource Conservation is being established at the University.

A 25-member committee of outstanding Pennsylvania citizens, headed by former U.S. Ambassador to Canada Adolph W. Schmidt and Thomas Dolan IV, environmental consultant of Philadelphia, has been named to raise funds to endow the chair.

Dr. Goddard, who has served the State for 23 years under five governors, is considered the Commonwealth's leading conservationist.

Under Dr. Goddard's leadership, 45 parks, totaling 129,588 acres in 35 counties, have been added to the State's park system. Another seven parks in various planning stages will increase the total to 52 parks and 142,508 acres.

Dr. Goddard, a native of Lowell, Mass., has been awarded Honorary Doctor of Science degrees from the University of Maine, Drexel University and Waynesburg College, as well as an Honorary Doctor of Laws degree from Gettysburg College.

Dr. Carl O. Clagett, a member of the biochemistry faculty for 22 years, retired July 1 with the rank of professor emeritus of biochemistry.

A 1939 graduate of the University, Dr. Clagett earned M.S. and Ph.D. degrees at the University of Wisconsin and served as a nutrition officer in the U.S. Army during World War II. In 1947, he joined North Dakota State University as associate professor and head of the Chemistry Experiment Station and was promoted to professor in 1950. He returned to Penn State as a full professor in 1956.

Originally a plant research specialist, Dr. Clagett has contributed to the scientific literature on potatoes, flax, wheat, sunflowers, and ripening processes in fruit. He turned to poultry research and collaboration with Dr. Edward G. Buss, professor of poultry science, in 1963. In one soon-to-be-completed study supported continuously over the last 18 years by the National Institutes of Health, the two have shed light on the action of a specific gene that causes an hereditary vitamin (riboflavin) deficiency in chickens. In another study, they determined the specific hormone that controls excessive thirst caused by a single mutant gene in chicks.

Currently, Dr. Clagett is using the two genetics lines developed by Dr. Buss and Dr. Roland M. Leach, professor of poultry science, to study the calcium transport system in birds. The results could help breeders improve egg shell quality in laying stock.

In addition to numerous research publications in scholarly journals, Dr. Clagett is co-author of two textbooks that are part of a Penn State series which was begun in 1932.

Obituary

Dr. Charles D. Ercegovich, associate professor of chemical pesticides and a faculty member since 1965, died July 23. He was 52 years old. Dr. Ercegovich's research interests were in the fields of pesticide and herbicide decomposition, metabolism and persistence. He was also active in researching environmental links to cancer and served as an agricultural consultant to India in 1967. He had a B.S. from Iowa State and M.S. and Ph.D. degrees from Penn State.

Calendar

August 3-13

Special Events

Thursday, August 3

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Friday, August 4

Kern Commons "K Corral" films, "Heroes and Villains," "West the Wind Blowing," noon, Kern Lobby.

STO film, *Rocky*, 7:45 and 10 p.m., Room 111 Forum.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Square Dance Festival, 8 p.m.-midnight, HUB.

Saturday, August 5

Square Dance Festival, 9 a.m.-midnight, HUB behind the Scenes of *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse. Free tickets at the box office.

Cinema Internationale, *Camelot*, 7 and 9 p.m., Room 112 Kern.

STO film, *Rocky*, 7:45 and 10 p.m., Room 111 Forum.

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 8 p.m., The Pavilion Theatre.

Sunday, August 6

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 2 and 7:30 p.m., The Playhouse.

Festival Theatre, *Lu Ann Hampton Laverly Oberlander*, 2 and 7:30 p.m., The Pavilion Theatre.

STO film, *Rocky*, 7:45 and 10 p.m., Room 111 Forum.

Monday, August 7

Last drop deadline (10 and 8 week terms).

Last day for signing Summer Term NDST and University Long Term Loans, Room 108 Shields.

College of Education/Phi Delta Kappa Lecture. Robert L. Shrigley, education, on "Strategies in Classroom Management," 8 a.m., Room 112 Kern.



Cinema Internationale, *Camelot*, 7 and 9 p.m., Room 112 Kern.

Tuesday, August 8

Japanese Teachers Program, Slide Contest, "People and Places," 7:30 p.m., Room 112 Kern. All welcome.

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Wednesday, August 9

Guitar concert, Tim Craven, noon, Kern Lobby. Sigma Delta Epsilon, Graduate Women in Science luncheon meeting, noon, Room 101 Kern. Frances Pannemaker, student in agronomy, on "Soil and Water Monitoring for Establishment of Vegetative Cover on Fly Ash Disposal Areas."

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Cinema Internationale, *Harold and Maude*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Thursday, August 11

Commonsplace Theatre, *Reef Madness*, 7:30 and 9:30 p.m., Room 112 Kern.

STO film, *Everything You Always Wanted to Know about Sex* (R), 7:45 and 9:45 p.m., Room 111 Forum.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Saturday, August 12

Last date for submitting petition to Records Officer to graduate in absentia in August.

Commonsplace Theatre, *Marhuan; Weed with Roots in Hell*, 7:30 and 9:30 p.m., Room 112 Kern.

STO film, *Everything You Always Wanted to Know about Sex*, 7:45 and 9:45 p.m., Room 111 Forum.

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Sunday, August 13

Festival Theatre, *Maifoso, An Offer You Can't Refuse*, 2 and 7:30 p.m., The Playhouse.

Cinema Internationale, *Harold and Maude*, 7 and 9 p.m., Room 112 Kern.

STO film, *Everything You Always Wanted to Know about Sex*, 7:45 and 9:45 p.m., Room 111 Forum.

Exhibits

Anthropology Museum: open Tuesday, Wednesday, Thursday, noon-4 p.m. Pre-Columbian materials, Greek ceramics.

Chambers Gallery: Vitold Kobitz, Karl Love and Gregg A. Mierka - mixed media.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m., Steidle Bldg.

Frost Entomological Museum: open 9 a.m.-noon, 1-4:30 p.m., weekdays. Live aquatic and live seasonal insects. Room 102 Patterson.

Kern Commons Gallery: George Lavanish, wildlife drawings, through August 5; Paul Flexner, oil paintings, through August 12; Surinam wood carvings from the collection of the American Museum of Natural History, New York City; Daphne Sola, prints, opens August 5.

Sackett Gallery: PSU architecture students, "The Architectural Component of Light," drawings, photos and models.

WPSX Highlights

The Philadelphia Orchestra, under the direction of Eugene Ormandy, presents Gustav Holst's *The Planets*, Saturday, Aug. 5, at 8 p.m. on Great Performances. The choral segments of the work will be performed by the Mendelssohn Club of Philadelphia.

Laurence Olivier stars in his classic film adaptation of Shakespeare's *Hamlet*, Sunday, Aug. 6, beginning at 2 p.m. on PBS Movie Theater. Supporting cast members include Jean Simmons, Anthony Quayle and Stanley Holloway.

Bill Moyers' *Journal: International Report* returns to Channel 3 on Sunday, Aug. 6, at 10 p.m. with "Earthwatch from Nairobi," a one-hour documentary about the United Nations' environmental program in Nairobi. Appearing in the report are Maurice Strong, director of the Earthwatch program, and author/artist Joy Adamson, trainer of the "Born Free" lioness, Elsa.

Benjamin Britten's *Albert Herring*, an operatic spoof of Victorian morality, will be performed by members of the Opera Theatre of St. Louis Monday, Aug. 7, at 9 p.m. on Opera Theater.

In 1974, Inez Garcia was convicted of second-degree murder after the fatal shooting of Miguel Jimenez, the accomplice of a man she accused of rape. The volatile atmosphere of her trial is recreated on *The People vs. Inez Garcia*, Tuesday, Aug. 8, at 9 p.m. The 90-minute docu-drama is based on courtroom transcripts from the Monterey, Cal., trial.

The Royal Family, George S. Kaufman and Edna Ferber's comic look at the eccentricities of an American theatrical dynasty, returns to Great Performances, Wednesday, Aug. 9, at 9 p.m. Eva Le Gallienne, Rosemary Harris, Sam Levene, and Ellis Rabb star in the 1927 drama, which is loosely based on the antics of the Barrymore family.

Plan for '80s

(Continued from page 1)

process itself. "It will help the University community focus on important longer range issues," he says, adding:

"Planning should focus on the question of the quality and internal balance among our programs and functions. We must be particularly concerned that our research and public service functions are not shortchanged in a period of tight resources."

"We must also take care not to become so practical and realistic that we write a negative plan that sells the University short of what it could be. Nor can we develop a Plan so unrealistic in its inability to be achieved that it sows seeds of disillusionment and frustration in the University community."

ASSUMPTIONS

Accompanying the list of objectives is a set of broad assumptions which have been drawn up to guide the formulation of the Plan.

"We recognize that during the 1980s we face the prospect of an enrollment decline among the conventional college age population in Pennsylvania," Dr. Ikenberry says. "We will not be talking about expansion or establishing new campuses."

"We recognize that we are one University geographically dispersed, but we also want to devote increased attention to differentiating among the purposes and programs of our Campuses."

"We have had a tendency to think of the Campuses, for example, as 17 identical units. We need to consider the uniqueness of each Campus and its role, particularly as we look five and ten years ahead."

"While change is assumed to be inevitable over the next ten years, transitions should not occur too abruptly or quickly, and directions of change should be anticipated and guided. Penn State must be capable of adding new

programs as necessary and able to phase out programs lower in priority or quality."

Other assumptions and objectives will probably emerge during the planning process. Dr. Ikenberry points out, but the above list provides a starting point.

ORGANIZATION

Guided by the foregoing objectives and assumptions, planning will be organized around four broad areas, each of which will be addressed by a Task Force of approximately 15 members.

Task Force I - Purpose, Programs and Priorities

This group will assess the role of the University in the context of its history and in relation to other Pennsylvania institutions of higher education. Its responsibilities include: Examining the roles of the Campuses; establishing priorities to preserve program continuity and flexibility; studying Penn State's ability to cope with change; considering the balance between liberal learning and career education; examining the University's organizational structure in the light of past and future effectiveness; and developing recommendations regarding the balance among teaching, research and public service, among levels of instruction, and among the various disciplines and professions.

Task Force II - Students and Society

This task force will try to define the various constituencies the University serves - not only students but also those affected by its research, public service, Continuing Education and Extension missions. The implications of various societal forces - the changing job market, minority group demands, economic trends, the needs of part-time students, and retirement laws - will be analyzed. In addition, the group will be asked to identify what student support services need to be strengthened or reduced and will examine admissions and recruitment programs.

Task Force III - Faculty and Staff

This group will address itself to issues related to the quality of Penn State's faculty and staff, who in a very real way are at the heart of the University and who provide the programs that bring Penn State's mission to reality. Factors to be considered include staff development, academic personnel policies, compensation, the appropriate size and distribution of faculty among ranks and the overall quality of Penn State's faculty and staff.

Task Force IV - Resources and Supporting Services

Since without realistic projections of financial and physical resources, the making of hard choices among desirable options will not be possible in the '80s, this task force will be assigned the job of analyzing various trends which are likely to influence federal and state support of higher education; private support from alumni, friends, foundations and industry; and tuition revenues. A five-year Capital Program Plan, put together last year, will be reexamined to see how it fits into the current Plan. The long-range implications of the energy problem for Penn State will be considered, along with fiscal priorities and the maintenance of financial flexibility.

Members for each Task Force will be appointed during the summer, according to Dr. Ikenberry, with a majority of each body to be drawn from the ranks of the faculty. Administrators at the College and University-wide levels will also be included, along with student representatives. Two staff persons will be assigned to each group to assemble data, draft initial papers and do other support work.

Each Task Force will be led by a chairperson who will provide overall direction in the exploration of issues and development of recommendations.

Coordination of the planning process will rest with a Steering Committee chaired by Dr. Ikenberry and Dr. Eddy. Names of committee members appeared in last week's *Reporter/Intercom*. In addition, Dr. Robert D. Arbuckle, of the New Kensington Campus, will serve as the representative of the Commonwealth Campus directors.

The Steering Committee will develop a preliminary draft of the Plan, based on the report of the four Task Forces, for broad general review, including continuing review by the Committee on Educational Policy of the Board of Trustees.

TIMETABLE

Dr. Ikenberry envisions that fall term will be a period of very intensive work for the Task Forces, probably through December. By then he is hopeful that preliminary reports will have been prepared.

From January through April 1979, the Task Forces' work would continue, with final reports to be completed by late spring. Responsibility would then shift to the Steering Committee for developing the preliminary draft of an overall plan. This would be studied by the Task Forces and other key groups within the University, including the Trustees' Committee on Educational Policy. Fall 1979 is the target date for a semifinal draft, and by the end of that year adoption by the Board.

"From the very beginning of the planning process last January," Dr. Ikenberry concludes, "we have made a deliberate attempt to involve key College and Campus groups in as effective a way as possible, particularly in regard to program priorities and to the directions we will be taking in integrating resource planning with program planning."

As we continue, we will make a special effort to provide for further broad faculty involvement, both through the Senate and through the Colleges, the Campuses and the research institutes."

Staff Vacancies

The following vacancies for positions classified as staff except as staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 175-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 10, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PROGRAMMER — COLLEGE OF LIBERAL ARTS.

University Park. Responsible to Administrative Assistant for the effective analysis, program design, coding, documenting, maintenance and other programming tasks required to produce reports and maintain information files. Main duties would include: developing computer programs, existing in development of course-related computer programs, establishing and over-seeing computer programs library, contacting manufacturer service representative for maintenance and repair when appropriate. Bachelor's or equivalent in computer science, engineering and/or psychology, with one to two years of directly related experience. Must have knowledge of FORTRAN, basic electronics, and ability to write computer program.

COUNSELOR — STUDENT AFFAIRS, University Park.

Responsible to the Director of Career Development and Placement Center for providing career development and placement services at the University Park Campus. Master's degree in clinical or counseling psychology, counselor education or related area, plus one to two years of directly related experience required.

COORDINATOR, EDUCATIONAL OPPORTUNITY PROGRAM, Wilkes-Barre.

Through the Dean of Student Affairs and the Campus Director, Responsible to the Director of E.O.P. for conducting Educational Opportunity Programs at the Wilkes-Barre Campus. Must possess a Bachelor's degree in a field reasonably related to Educational Opportunity Programs, or equivalent organized outside study or training. At least one year of directly related experience is necessary.

ASSISTANT TO THE COORDINATOR OF FACILITIES AND RESTRICTED FUNDS — COLLEGE OF SCIENCE, University Park.

Responsible to the Coordinator of Facilities and Restricted Funds for assisting in administrative and budgetary functions regarding the management of the College's restricted funds. Also responsible for assisting in the coordination of facilities maintenance, renovation, and construction activities. Bachelor's or equivalent in accounting or business with one to two years of directly related experience. Some knowledge of computer programming is desirable.

ADMINISTRATIVE AID — HUMAN DEVELOPMENT, University Park.

Analyze proposals and contract awards to initiate college budgets. Assist with inquiries from faculty with respect to procedures for preparation of proposals for research grants, insure operation within agency

guidelines. Write and/or assist with contracts. Assure compliance with provisions of contracts and grants. Assist with liaison activities regarding proposal processing with University Contracts and Grants Coordinator. Bachelor's degree in accounting, administration or finance or equivalent, plus one and up to two years of directly related experience. (This position is funded annually.)

TICKET SUPERVISOR — COLLEGE OF ARTS AND ARCHITECTURE, University Park.

Responsible to the Manager, Artist Series, for the recording and accounting for all ticket sales, coordination of the sales of subscription and non-subscription tickets, contact with patrons. The candidate will be expected to gather data and prepare reports and to exercise imagination and critical judgment in developing new systems and procedures. In addition the candidate will supervise ticket offices and oversee the preparation of cash receipt reports, processing of various financial documents. A Bachelor's degree or equivalent is required, preferably in accounting, plus one to two years of directly related experience in theatre and box office work. Computer experience highly desirable.

PROJECT ASSISTANT — COLLEGE OF MEDICINE, Hershey.

Responsible to Professor of Medicine, Chief, Division of Endocrinology, for routine operations of running the laboratory on a day to day basis. Master's degree in biology, plus one year of directly related experience or combination of experience and formalized training. Position funded through 6-30-79.

EDITOR, PROPOSALS AND PUBLICATIONS — COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION, University Park.

Monitor funding opportunities for College research and inform appropriate personnel of potential sources, such as grants agencies, foundations, and industries. Edit research proposals; ensure that contractor guidelines for format and text have been followed. Organize and edit pre-printing seminar. Write and edit articles, features, and news releases for general media, write, edit, and publish a variety of printed media, such as brochures, pamphlets, booklets, and reports. Produce graduate recruitment flyers for College departments and laboratories. Produce multi-media presentations on College research and graduate studies, in collaboration with Continuing Education. Bachelor's degree or equivalent in English, journalism, or related field and from one to two years of directly related experience. Familiarity with health, physical education, and recreation required.

In addition to the above vacancies, there are positions in certain work units which, because of the large number of such positions, frequently are still available after employers in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for further consideration when such vacancies occur. These positions are:

Position	Area
Staff Nurses	Hershey
Licensed Practical Nurses	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
Medical Technologists	Hershey
Assistant Food Supervisors	Hall
Residence Hall Coordinators	Student Affairs
Assistant Coordinators	Student Affairs
Nutrition Assistants	Ext Extension
Psychiatric Assistants	Hershey

implemented across the entire campus, it was tested for a full term in Willard Bldg. to confirm its practicality and acceptance. There were no complaints during this test period.

A couple of points seem important to note: (1) In general, blackboard manufacturers advise against regular washing of blackboards since it is not good for the basic blackboard material and proper maintenance of the board; (2) It does not seem entirely logical that the failure to wash blackboards on a daily basis should be a major problem since only the first instructor using the blackboard each day benefits from the washing.

Nonetheless, the Office of Physical Plant is sensitive to the fact that there may be some blackboards in high usage areas that do require an adjustment in our frequency. We have made some adjustments and are currently studying additional areas for possible adjustments. The frequency for our cleaning the chalk trays and erasers continues to be daily since this is a source of dust and dirt problems.

Ralph F. Searly,
Director, Physical Plant
Maintenance and Operations

Funding Sources

For further information,
call 865-1372

(321-1) Deadlines and Documents Required for Nominating and Endorsing Applicants for Fall 1978 and 1979-80 Graduate School Financial Awards

Sept. 29, 1978 — Applications for winter term tuition grants-in-aid are due in Room 320 Kern. Applications must be endorsed by department head or graduate officer. Applications must be supported by transcripts and two or more letters of recommendation. The latter should be concerned primarily with the degree of neediness of the applicant. Only students who will have completed at least two terms at Penn State at the start of the grant may apply, except that departments may petition to waive this limitation for cases of unusual, unanticipated need, explaining why need could not be anticipated before start of graduate study. Winter term applications may be accompanied by applications for renewal for the spring term. Awards will be announced around Nov. 13.

Jan. 5, 1979 — Applications for spring term tuition grants-in-aid are due in Room 320 Kern. Applications must be applied for summer renewals may do so simultaneously. Procedures and documents required same as above. Awards will be announced around Feb. 14.

Feb. 2, 1979 — Applications by PSU graduate students for Fall Fellowships and Transferees awarded by the Graduate School are due in Room 320 Kern. Each applicant must be nominated by his graduate major. Not more than three nominations per major (exclusive of federally supported programs) are allowed. The application must be supported by three letters of recommendation and complete transcripts. Awards will be announced during the week of March 27. GRE verbal, quantitative and analytical scores or the equivalent are required of applicants for all awards except minority awards. Energy, Training and Mining Fellowships, and are requested from all applicants.

Feb. 15, 1979 — Applications by incoming graduate students for Fall Fellowships and Transferees offered by the Graduate School are due in Room 320 Kern. Applicant must be nominated by his graduate major, limit of three nominations per major (in addition to three already enrolled nominees, but no more than three total awards to any one major except for minority and federally funded awards). Applications must be supported by complete transcripts, at least three letters of recommendation and GRE verbal, quantitative and analytical scores or the equivalent (except for minority and federally funded awards). Awards will be announced during the week of March 26. (In past years, many minority applications were received and approved late. Late applications for this program will be considered only for those awards not already given to students who were nominated on time. Regular Graduate School fellowship funds will all be committed to students whose applications are received on time.)

April 6, 1979 — Application for summer and fall term grants-in-aid are due in Room 320 Kern. Submit resume Sept. 29 for procedures and documents required. Awards will be announced around May 16. A few fall awards may be available to applicants applying as late as June 28. (Ref. F07-8-11)

News in Brief

Early fall registration to be held Aug. 21-25

Early registration for fall term classes will be held from 8:30 a.m. to 4:30 p.m., Aug. 21-25 in Room 112 Shields Bldg.

Pre-registered degree candidates who wish to accept their assigned fall term class schedule may register during that period and avoid returning to regular registration just before the term begins.

Those registering early must present evidence of fee payment, their ID card and their preregistration schedule. They will not be permitted to return to the regular registration in the Intramural Bldg.

Hershey program accredited

Hershey's Cardiovascular Perfusion Technology Training Program has recently been accredited, one of ten such programs in the United States.

The program, which was accredited by the American Board of Cardiovascular Perfusion after a site visit in March, consists of a two-year course in the operation and maintenance of the pump oxygenator (heart-lung machine), circulatory assist devices, electronic monitoring and recording instruments and other devices associated with the cardiovascular field.

The program in cardiovascular perfusion technology, one of the newest allied health professions, began at Hershey in 1977. It consists of both a clinical and research portion.

Nominees sought for Capitol post

Provost Edward D. Eddy has appointed a search committee to assist in the selection of an individual for the position of Provost-Dean at the Capitol Campus.

The Search Committee is chaired by Dr. Robert J. Graham, head of the Humanities Program at Capitol.

The Provost-Dean, a member of the President's staff, will serve as the principal academic and executive officer of the Campus and will be responsible to the University Provost for planning, implementing and evaluating programs of instruction and research at Capitol Campus. The officer will also develop and maintain relationships with professional, business and other groups and will be responsible for community-oriented programs directed toward the needs of the region. Additionally, the Provost-Dean will be in charge of administering budget and physical plant operations.

Candidates must have an earned doctorate, substantial academic/administrative background, upper level teaching experience, and evidence of scholarly attainment. Demonstrated leadership in budget, personnel, program planning and community relations is also required.

Letters of nomination or application should be forwarded by Aug. 21 to Dr. Robert J. Graham, Humanities Program Head, Penn State Capitol Campus, U.S. Route 230, Middletown, PA 17057.

Schraer appointed

(Continued from page 1)

continue her teaching and research in addition to carrying her new responsibilities.

Dr. Schraer joined the University faculty as assistant professor of biophysics in 1960 after serving as part-time research assistant for four years.

Promoted to associate professor of biochemistry in 1969, she was appointed assistant dean for research of the College of Science in 1972 and became associate dean in 1973.

After receiving her Ph.D. in biochemistry from Syracuse University in 1953, Dr. Schraer spent three years as a research associate at the Albert Einstein Medical Center. She holds a B.A. in chemistry and M.S. in zoology, both from Syracuse.

Dr. Schraer is the author of a number of articles published in scientific journals. Her research has been concerned with bone density and bone mass and biochemical aspects of cellular ultrastructure and cellular functions. She is a Fellow of the American Association for the Advancement of Science.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park, Pa. 16802
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Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Editor's Note: The following is one of a series of questions prepared by the Officers of the University Faculty Senate.

Q. Why does the Office of Physical Plant no longer wash blackboards on a daily basis?

A. Since 1968, the Office of Physical Plant has followed a cleaning frequency program for its janitorial operations. This provides for certain duties being performed on a cyclical basis to achieve the most satisfactory balance between efficiency and the use of our funds, and acceptability in cleanliness of the facility.

During 1975, under the pressure to make further significant budget cuts, the Office of Physical Plant, in conjunction with the Department of Management Engineering, did a study of all of these janitorial cleaning frequencies. As a result, many major revisions were made to the program, including drastic reduction of the blackboard cleaning schedule. Before this reduced cleaning schedule was

Penn State

Reporter Intercom

WAS IT FAIR?

Final agreement was reached yesterday when the membership of Teamsters Union Local No. 8 ratified a three-year contract settlement with Penn State.

The six-week strike is over.

IS THE AGREEMENT FAIR?

Yes. It is fair to Penn State technical-service employees and their families. At the same time, equity among all groups of Penn State employees will be maintained.

An understanding of the agreement is important to everyone, including the general public. The basic outlines are set forth below.

• WAGE INCREASES

- For the first year of the contract, 6 percent, effective immediately, plus a supplemental increase of 3 percent, effective at the beginning of the first pay period following January 1, 1979. This would have been a 7.5 percent increase had employees started work on July 1.
- In the second year, a wage increase of 7 percent effective July 1, 1979 and;
- In the third year, a 6 percent increase on July 1, 1980. An increase of 2 percent will be made effective at the beginning of the first pay period following January 1, 1981, or an effective annual increase of 7 percent.

• FRINGE BENEFITS

- A dental insurance plan, on January 1, 1979. This will be available to all groups of employees including faculty members, staff, clerical employees as well as technical-service employees. The cost for employees will be paid by the University. Costs for dependent coverage will be shared approximately fifty-fifty.
- Shift premiums were improved.
- Vacation plans were improved.
- One holiday was added at Christmas in the first year, 1978; and a second holiday was added at Christmas in the third year, 1980. These or equivalent holidays are applicable to all groups of employees.
- Maximum coverage under the major medical plan for all classes of employees was increased from \$100,000 to \$150,000.
- A modest vision care insurance plan will be introduced on July 1, 1980, with the cost of dependent coverage shared approximately fifty-fifty. Again, this will be available to all groups of employees.
- The University reaffirmed its commitment to continue the 75 percent remission of tuition for all full-time employees and their dependents.
- And the contract also contained other improved provisions.

WAS THIS AN EQUITABLE SETTLEMENT?

Yes. The wage agreement followed the general pattern of wage settlements between Penn State and the Teamsters over the last several years. The improved fringe benefit package will enable all Penn State employees to have access to benefits similar to those already available to State and Municipal employees and certain community hospital employees. Several of the key fringe benefits were also recommended in the report by the Joint University Faculty Senate-Administration Committee last May, and the implementation was discussed at the June meeting of the Senate. Certain benefits included in the contract had already been agreed in principle for other groups of employees, as in the case of expanded major medical coverage and the dental plan. The University did not budge from its traditional policy of maintaining a uniform set of fringe benefits for all employees.

As was explained at the outset of the negotiations, the University could not agree to an automatic cost of living allowance.

HOW WILL THE COST BE MET?

Funding for the wages and fringe benefits in the first year of the contract will come from the monies set aside in Penn State's operating budget as approved by the Board of Trustees in July, and from savings accrued during the strike. Costs for the second and third years of the contract will be planned as part of the operating budgets for those two years.

WHAT ABOUT THE FUTURE?

State Mediator William Smith was quoted as saying the settlement was "fair", neither side getting everything it wanted. No side wins in a strike. This fact was well expressed in the *Centre Daily Times* editorial of July 6. The University suffered a setback in employee relations. Technical-service employees on strike for nearly six weeks lost a significant portion of their annual income for the year.

On the other hand, we have for the first time in recent years settled on a three-year contract which will be in effect through June 30, 1981. This long-term agreement hopefully will signal the beginning of an extended period of constructive labor relations at Penn State and increased stability in the operations of the University.

Penn State is grateful to faculty and staff members, clerical employees, as well as students and the general public for their understanding and support during the strike. Without this understanding, it would have been more difficult to keep the University operating.

With the settlement of the contract, Penn State can turn its full efforts and talents to advancing its educational programs and serving all citizens of Pennsylvania.

Penn Staters



Dr. Elton Atwater, professor of political science, retired July 1 with emeritus rank.

Dr. Atwater specialized in teaching American foreign policy and courses on the United Nations, including a course on the economic, social welfare and decolonization functions of the U.N., a direct outgrowth of his work with the international organization. He was also in charge of a U.N. intern program under which Penn State graduate students work as research aides for various national delegations to the U.N.

In 1956-57 and again from 1960 to 1963, he served as head of the Department of Political Science. In May of this year, he was presented the Outstanding Faculty Adviser Award of the College of the Liberal Arts Alumni Society.

Dr. Atwater received his B.A. from the University of Rochester and his M.A. from The American University. He then studied at the Academy of International Law, The Hague, and the Graduate Institute of International Studies in Geneva, Switzerland, from which he received a Diploma. Following his return to the United States, he took his Ph.D. in international affairs at The American University.

Before joining the Penn State faculty in 1950 as associate professor of political science, he taught at Elmira College and The American University. He also directed a foreign service training program for The American Friends Service Committee, Philadelphia, and served as a consultant to the U.S. Department of State. In 1957-59, he served as associate director of the Quaker Program at the United Nations, and in 1971 he served as consultant for the same program.

He is the author of numerous scholarly articles and of the book, *American Regulation of Arms Exports*. He co-authored two books, *World Affairs, Problems and Prospects* and *World Tensions: Conflict and Accommodation*.

Dr. Atwater plans to do further writing on the economic and social development work of the United Nations. He also will be increasingly involved with the Pennsylvania Association for Retarded Citizens, having been elected senior vice president of that organization at its annual convention in June.

Dr. Kjell Meling has been appointed associate director for academic affairs at Altoona Campus. Dr. Meling comes to Penn State from Chatfield College, St. Martin, Ohio, where he served for four years as dean and administrative head of the private, non-sectarian, liberal arts institution. Prior to his appointment at Chatfield, he was an instructor of medieval and world literature and advanced composition at the University of Cincinnati.

A native of Norway, Dr. Meling was educated in the New York City public school system. He received his bachelor's degree from New York University and his M.A. and Ph.D. degrees in English from SUNY-Binghamton.

Dr. Peter R. Cavanagh, associate professor of biomedical, has co-authored a book

Calendar

Friday, August 11

Lori Smith, soprano, and Rod Borden, baritone. 3:30 p.m., Music Bldg. Recital Hall. Commonsplace Theatre, *Reverend Madness*, 7:30 and 9:30 p.m., Room 112 Kern.

STO film, *Everything You Always Wanted to Know about Sex* (R), 7:45 and 9:45 p.m., Room 111 Forum.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Festival Theatre, *Mafioso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Saturday, August 12

Last date for submitting petition to Records Officer to graduate in absentia in August.

Commonsplace Theatre, *Mariluana: Weed with Roots in Hell*, 7:30 and 9:30 p.m., Room 112 Kern.

STO film, *Everything You Always Wanted to Know about Sex*, 7:45 and 9:45 p.m., Room 111 Forum.

Festival Theatre, *Mafioso, An Offer You Can't Refuse*, 8 p.m., The Playhouse.

Sunday, August 13

Festival Theatre, *Mafioso, An Offer You Can't Refuse*, 2 p.m. and 7:30 p.m., The Playhouse.

Gallery Opening Reception, Wendy Lebo, jewelry and paintings, and Mike Solon,

sculpture and drawings, 3-5 p.m., Kern Lobby.

Cinema Internationale, *Harold and Maude*, 7 and 9 p.m., Room 112 Kern.

STO film, *Everything You Always Wanted to Know about Sex*, 7:45 and 9:45 p.m., Room 111 Forum.

Monday, August 14

Cinema Internationale, *Orson Wells, F for Fake*, 7 and 9 p.m., Room 112 Kern.

Tuesday, August 15

University Faculty Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, August 16

Gospel music concert, Gerry Loyd Ensemble, noon, Kern Lobby.

Commonsplace Theatre, *Slither*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, August 17

Phi Delta Kappa initiation, 4 p.m., Rooms 102 and 112 Kern.

Cinema Internationale, *F for Fake*, 7 and 9 p.m., Room 112 Kern.

Friday, August 18

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Karen Ekenroth, soprano, and Tony Leach, piano, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, August 19

Nothing scheduled.

Sunday, August 20

Nothing scheduled.

WPSX Highlights

The development of a musical form is traced by Penn State's Alard String Quartet when WPSX-TV rebroadcasts *The Classical String Quartet*, beginning Sunday, Aug. 13, at 7 p.m. The three-part series, produced in 1972, begins with performances of Joseph Haydn's *Opus 3*, no. 3; *Opus 50*, no. 5; and *Opus 76*, no. 2. Other programs in the series look at the influence of Mozart and Beethoven.

Opera Theater presents *Contad Susa's Transformations*, from the current season of the Minnesota Opera Company, Monday, Aug. 14, at 9 p.m. The unusual

opera is based on a book of poems by Pulitzer Prize-winner Ann Sexton and is a meditation on Grimm's fairy tales.

Anthony Hopkins stars in the tragic drama, *The Arcata Promise*, Wednesday, Aug. 15, at 9 p.m. on Great Performances. Hopkins plays *Ten's* Gunge, a harrowing portrait of a successful author who brings about his own ruin.

Thursday, Aug. 16, at 9 p.m., *Southie* takes a look at the Irish-American community of South Boston, its traditions and its impact on the City of Boston as a whole. The program visits with neighborhood leaders and citizens who talk about their community's independent character.

entitled *The Physiology and Biomechanics of Cycling*.

Dr. Irvin R. Faria, professor of physical education and director of the Human Performance Laboratory at California State University, is co-author of the book which is part of the American College of Sports Medicine Series.

The 179 page volume is designed to provide a bridge between scientific studies and practical applications of cycling for both coaches and cyclists. John Wiley & Sons is the publisher.

Highland people do make some biological adaptations to their environment, according to Dr. Paul T. Baker, professor of anthropology, who this year edited the recently published Cambridge University Press book, *The Biology of High-Altitude Peoples*.

Although it draws heavily on research conducted in the International Biological Programme, which sponsored human biological research from 1964 to 1974, it is a comprehensive review of our knowledge to date of the biology of high-altitude peoples. Among topics discussed in the book are the adaptation to cold and to lower oxygen pressure of people who live in such high-altitude areas as the Andes, Ethiopian highlands, Himalayas, or Tien Shan mountains.

Dr. Elsworth R. Buskirk, director of the laboratory for Human Performance Research and a professor of applied physiology, contributed a paper to the book, "Work Capacity of High-Altitude Natives."

Dr. John J. Olivero, associate professor of meteorology, presented two papers at the 21st plenary meeting of the Committee on Space Research in Innsbruck, Austria. They were entitled "Physical Properties Affecting the Existence of Small Ice

Particles in the Mesosphere" and "Small-scale Structure in the Middle Atmosphere Revealed by a Scale-of-Motion Experiment."

At the International Symposium on Solar-Terrestrial Physics, Dr. Olivero presented a paper on "Middle Atmospheric Vertical Electric Fields," co-authored by Dr. L. C. Hale, professor of electrical engineering at Penn State, and Dr. J. D. Mitchell of the University of Texas at El Paso. Dr. Olivero also presented a symposium on "Ground-Based Microwave Measurements of Upper Atmospheric Water Vapor" at the meteorological institute of the University of Stockholm.

Promotions

Sharon R. Aurand to clerk/typist A in Education.

Kathy Barr to secretary B in Agriculture.

Kathy Bock to clerk/records A in Hershey.

Kathy A. Garis to secretary C in Education.

Brenda C. Girardi to secretary C in Education.

Angeline R. Pavone to secretary B in Housing and Food Services.

Barbara J. Riegler to senior clerk at Ogontz.

Obituary

Grace S. Cole, a former assistant professor of human development and bookstore manager at the Altoona Campus, died July 16. Mrs. Cole was a member of the staff from 1947 to 1967. A former high school teacher and principal, Mrs. Cole received her undergraduate degree from Bucknell University and her master's degree in human economics from Penn State. She was born Dec. 2, 1900, in Neelyton, Pa.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 18, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SENIOR RESEARCH AIDE - COLLEGE OF AGRICULTURE, University Park Supervise laboratory analysis of fiber, fat, ash, dry matter, etc. Collect tissue and physiological fluid samples and assist in the collection of data from experimental analysis. Develop new techniques, procedures, and apparatus to perform analysis. Manage flow of samples through laboratories and coordinate the work of technical-service employees and research aides. Calculate results of experiments and summarize data. Operate calculator and prepare data for computer analysis. Supervise and train research aides, graduate students, undergraduate students and part-time employees. Bachelor's degree or its equivalent in animal science, biochemistry, chemistry, etc., with one to two years of directly related experience and some supervisory experience involving coordination of research efforts.

WRITER - PUBLIC INFORMATION AND RELATIONS, University Park Responsible to Head, Internal Communications for covering a variety of writing assignments for *Intercom*, the Reporter, and *Pages of Penn State*, and also in cooperation with the News Bureau, cover several Colleges of the University on a "beat" basis. Bachelor's degree or its equivalent in journalism or liberal arts, with two years of experience on newspapers or magazines in writing positions. Must have a specialized knowledge of the communications media and how they function, with an ability to write well, fast and accurately. An interest in educational programs is desired.

News in Brief

Calendar deadline again

Fall term is approaching, and Calendar Editor Lee Morrill requests that information for the fall term calendar be sent her by Monday, Aug. 21. She can be reached in Room 312 Old Main or by phoning 865-2501.

Directory forms in mail

Forms necessary for the compilation of individual listings in the 1978-79 Faculty Staff Directory have been mailed out. Anyone who should be listed in the Directory but does not receive a form may obtain one by calling Telephone Services at 865-8311.

Library space available

Members of the faculty who wish to obtain study space assignments in Pattee Library for the fall term should note that the assignments will be made on a first-come, first-served basis Monday, Aug. 28, beginning at 7:30 a.m. in Room 106 Central Pattee. There are only 36 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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Sculpture is a Memorial to Wyoming.

Berks Campus is deeply involved with its surrounding community

Editor's note: This is one in a series of articles describing the University's Campuses.

Three buildings already stand on the gently rolling site. The oldest, Luerssen, was opened only five years ago, and the shrubbery around it is still too new to mellow its angularity.

But the shrubs will grow, and Penn State's Berks Campus will soon have another addition. Through the efforts of its advisory board, alumni, friends and local corporations, \$1.1 million has been raised in a "Partners in Progress" campaign to construct a human resources-convention center.

This partnership between the local community and a Commonwealth Campus is one of the distinguishing features of the Penn State system. Each Campus provides special services to its surrounding community other than traditional educational services. At Berks, the Library invites high school students to use its 23,000 volumes during evening hours, and the Community-Student Learning Center proclaims its mission in its name. Equally important are Berks' Institute for Community Affairs (ICA), its Speakers Bureau and Berks Summer Theatre.

"These are the principal mechanisms we use in trying to translate our academic involvement into community service," explains Berks Director Harold W. Perkins.

The Institute for Community affairs is housed academically in the College of Human Development and overseen administratively by Continuing Education. Founded in 1974, it serves as an information clearinghouse, a convener of meetings, and a "sounding board" for local issues.

"We also have a catalytic function," says Dr. M. John Smith, ICA program coordinator. "So many facts are already known about Berks County and Reading that ICA performs a real service by helping disperse this information to the general public and local government officials."

Recent ICA projects include:

- Preparing information for the Berks County Commissioners to consider on how to set up a task force to study the feasibility of instituting a 911 emergency telephone number for the county. Persons needing help in any kind of emergency could call this number to alert a central dispatching system.
- Cooperating with various local interest groups in research and establishing a Schuylkill Greenway Association to make the Schuylkill River one of the first projects in a proposed Pennsylvania Wild and Scenic Rivers Systems. This proposal is now awaiting action by the State Legislature.
- Preparing a transferable training program in computer data processing for

(Continued on page 3)

Task force members of Plan for '80s appointed

The following faculty and staff have agreed to serve as members of the four Task Forces charged with studying the issues which will confront Penn State during the next decade.

Each Task Force will prepare a report for the Steering Committee to serve as a basis for developing Penn State's Plan for the '80s. Dr. Stanley O. Ikenberry, senior vice president for administration, and Provost Edward D. Eddy serve as co-chairmen of the Steering Committee. The names of Steering Committee members appeared in the Aug. 3 issue of INTERCOM.

TASK FORCE I: PURPOSE, PROGRAMS AND PRIORITIES

Robert A. Bernoff, professor, science and general chemistry, Ogontz; John J. Cahir, associate professor, meteorology, representative, Faculty Advisory Committee, past-chairman, Senate Committee on Planning and Development; Monty L. Christensen, associate professor, recreation and parks; Floyd B. Fischer, vice president, Continuing Education; Helen A. Guthrie, professor, nutrition; James D. Hammond, professor, Business Administration; Thomas D. Larson, Task Force chairman, director, The Pennsylvania Transportation Institute, professor, civil engineering, chairman, Baccalaureate Degree Requirements Review Committee; Richard L. Morrill, executive assistant to the Provost; Stuart Patton, Evan Pugh professor, agriculture; Stanley F. Paulson, dean, College of the Liberal Arts, professor, speech communication; Roland J. Pellegri, professor and head, sociology; Fred Rapp, associate provost/dean, health affairs, professor and chairman, microbiology, Hershey; Gladys Ritchie,

associate dean, academic instruction, Commonwealth Campuses; Peter B. Shaw, associate professor, physics; Robert Tauber, assistant professor, education, Behrend College; Nancy M. Tischler, professor, English/humanities, Capitol.

The staff for this task force will be James R. Dungan, director, Planning Services Division, Office of Budget and Planning, and Chester C. Gnatt, staff assistant, Office of the Provost.

TASK FORCE II: STUDENTS AND SOCIETY

John E. Ayers, associate professor, plant pathology, chairman, Senate Committee on Admissions, Records, and Scheduling; John F. Brugel, director, Student Aid; Rupert F. Chisholm Jr., assistant professor, management, past-chairman, Capitol Campus Faculty Organization; Richard G. Cunningham, vice president, research and graduate studies, professor, mechanical engineering; Edward V. Ellis, associate dean, Continuing Education, College of Human Development, associate professor, public health; Arthur Goldschmidt Jr., associate professor, history, chairman, Committee on Student Affairs, Awards, and Scholarships; Warren R. Haffner, director, Admissions, Records, and Scheduling; Linda V. Itzoe, assistant professor, English, York; Beverly J. Lindsay, assistant professor, education; Torrence D. Parsons, associate professor, mathematics; Robert J. Scannell, Task Force chairman, dean, College of Health, Physical Education, and Recreation, professor, physical education; C. Shannon Stokes, associate professor, rural sociology; John D. Vairo, director, Delaware County; David K. Haberle, president, Undergraduate Student

(Continued on page 4)

News in Brief

Environmental Policy Center role under study

Dr. Frank Clemente, associate professor of sociology, has been named acting director of the Center for the Study of Environmental Policy for 1978-79. Dr. Clemente replaces Terry A. Ferrar, associate professor of economics, who resigned to take a position with General Public Utilities of New Jersey.

Founded as an intercollege research unit in 1972, the Center is now in a transition period designed to answer two key questions: First, can the Center serve as a faculty staging base for multi- and interdisciplinary environmental and energy research in the social sciences? Second, can the number and range of faculty participating in Center activities be increased?

The transitional strategy was outlined in the Research Program Review which recommended continuation of the Center with qualifications and suggested a second review following the current three-year extension. These recommendations were

endorsed by the Senate Committee on Research.

Interested faculty should feel free to contact Prof. Clemente concerning their interests in environmental and energy policy. In addition, Dr. Clemente will be meeting with various members of the faculty to discuss potential linkages with the Center.

A reminder

INTERCOM will not be published during term break. The next issue will appear Thursday, Aug. 31. Material for the fall term calendar is due by Monday, Aug. 21, in Room 312 Old Main, 865-2501.

Food service schedule

Persons wishing to dine on campus can find succor at either the Lion's Den or the Kern Graduate Bldg. Cafeteria. The Lion's Den continues on its 7:30 a.m. to 6:30 p.m. summer schedule, serving breakfast, lunch and dinner Monday through Friday. Saturday, Aug. 19, service will be available from 7 a.m. to 1:30 p.m. and on Sunday, Aug. 20, brunch will be served beginning

(Continued on page 4)

Penn Staters

Dr. Michael Kiernan, associate professor of English, has been awarded an American Council of Learned Societies grant-in-aid to enable him to prepare a critical edition of the essays of Francis Bacon.

Dr. Michael H. Begnal, professor of English and comparative literature, delivered a series of lectures on American literature and culture at Pisek in Southern Czechoslovakia July 2-14 under the sponsorship of the U.S. Department of State.

Ralph F. Nielsen, professor emeritus of petroleum and natural gas engineering, has been appointed to the Trinidad-Tesoro chair in petroleum engineering at the University of the West Indies in St. Augustine, Trinidad. His one-year appointment will begin in September.

Dr. Harold R. Sargent, director of the Shenango Valley Campus, presented an invited paper at the Fourth International Conference on Improving University Teaching in Aachen, F.R. Germany in July. He was part of a panel which summarized the events and issues raised by the conference.

Dr. Thomas A. Ryan Jr., associate professor of statistics, is chairman-elect of the Statistical Computing Section of the American Statistical Association (ASA). The Statistical Computing section has more than 3,000 members.

Two faculty members in the Department of Architectural Engineering are listed in the recently published 1978-79 edition of *Who's Who in America*. They are Professors John E. Flynn and Stanley F. Gilman.

Dr. Joseph P. Yaney, professor and program head, Business Administration, Capitol Campus, has been honored by being selected as this year's Outstanding Member of the National Society for Performance and Instruction (NSPI). A founding member of NSPI's 1950 Chapter, in which he has also held several officer and committee posts, Dr. Yaney was chosen both for his contributions to the Society and for his academic work in performance technology, including research, development of programs, organizational development and writings.

Michael Danahy, professor of French, has returned from a three-week seminar in Quebec, Canada, where he was the guest of the Government of Quebec Province under grants administered by the American Association of Teachers of French. Participants were selected on the basis of nation-wide competition. Prof. Danahy attended a translation workshop at Laval University and participated in professional lectures, seminars, receptions, and excursions designed to familiarize American educators with the current situation in French-speaking Canada. The host agency was the Ministry of Intergovernmental Affairs.

Dr. Philip S. Skell, Evan Pugh professor of chemistry, presented invited lectures in Finland and Germany in June. In Finland, he spoke at the Universities of Helsinki and Jyväskylä and in Germany, at the Universities of Munich, Regensburg, Erlangen, Würzburg, and Frankfurt and the Max Planck Institute at Mülheim a. d. Ruhr. His topic was the chemistry of succinimidyl radicals.

Appointments

Dr. Ralph A.W. Lehman has been appointed professor of surgery and chief of neurosurgery at Hershey. Dr. Lehman holds a B.A. from Harvard College and an M.D. from Harvard Medical School. He served an internship and residency in surgery at Massachusetts General Hospital in Boston, then spent two years with the U.S. Army, working at Walter Reed Army

Institute of Research in Washington, D.C. A residency in neurosurgery at Barnes Hospital in St. Louis, Missouri, followed, and in 1969 Dr. Lehman was appointed to the neurosurgical faculty at Washington University School of Medicine in St. Louis. He remained there until 1976, when he joined the medical center faculty at the University of Colorado as an associate professor. His particular research interests involve hand preference, neuropsychological testing and defects of neurological function.

Dr. Francis M. Knapp has been named associate director for academic affairs at New Kensington.

Previously Dr. Knapp was professor and chairman of the Department of Biology at Stetson University in Florida. He also has served on the faculties of Duquesne University and the University of Pittsburgh at Johnstown.

He received his M.S. and Ph.D. degrees in human physiology from the University of Southern California.

Dr. Nils A. Parr has been appointed associate director for academic affairs at the Wilkes-Barre Campus. Dr. Parr holds a B.A. in English from New York University, a Master of Forestry (MF) from Yale University, and Ph.D.s in economics from the SUNY College of Environmental Science and Forestry and Syracuse University. Dr. Parr has been affiliated with the Forest Service, USDA. He was an assistant professor of economics at Heidelberg College in Ohio, and most recently associate professor of economics and director of environmental studies at the University of Maine at Machias.

George M. Gerhart has been appointed dean of Student Affairs at Shenango Valley, effective Aug. 1. Mr. Gerhart received a bachelor's degree in psychology and a master's degree in counseling, both at Penn State. He previously served for eight years as assistant dean of Student Affairs at Fayette.

Bookshelf

Dr. Gerard J. Brault, professor of French, is the author of a two-volume edition of the *Song of Roland* published by The Pennsylvania State University Press.

The most famous epic of the Middle Ages, the *Song of Roland* was composed about 1100 by an unknown French poet. Publication of the work coincides with the twelfth century of the Battle of

Roncevaux (778) which inspired the poem. Seven years in the making, Prof. Brault's edition includes a modern English translation with a detailed study of the poem's meaning and historical and literary significance. The book is profusely illustrated, as Prof. Brault uses medieval art to explain many aspects of the poet's craft.

Although the text has been edited many times before and translated into several modern languages, Prof. Brault has succeeded in restoring for the first time many garbled terms and in clarifying numerous obscure words and phrases. Prof. Brault is the author of four previous books and more than 60 scholarly articles.

Prof. Brault is the author of four previous books and more than 60 scholarly articles.

Dr. Edward E. Hunt Jr., professor of anthropology and health education, is co-editor of a new textbook, *Health and the Human Condition: Perspectives on Medical Anthropology*, published by Duxbury Press.

Dr. Hunt and his associate, Dr. Michael H. Logan, of the University of Tennessee, emphasize three areas of research: the evolution and ecology of disease, medical beliefs and practices in non-Western cultures, and the complexities of health care delivery in pluralistic societies. Dr. Logan earned his Ph.D. in anthropology at Penn State.

"It has become increasingly clear to us from teaching medical anthropology that students frequently find some required readings to be, in their words, dry, too

difficult, and not interesting," the editors note in their preface. They go on to say that many practitioners have only a vague understanding of what medical anthropology is and how it can contribute to their goals. For these reasons, the book is designed to aid both students and professionals in such diverse fields as psychology, nutrition, family planning, history and geography.

Dr. Frederick A. Hussey and Dr. John H. Kramer, assistant professors of criminal justice, are among the authors of a new book, *Criminal Justice: Organization, Structure and Analysis*. Published by Prentice-Hall, Inc., the book is designed to familiarize students of criminal justice with the basic terminology, technology and fundamental values of the field. Former faculty member, Dr. David E. Duffee, also served as a co-author.

Promotions

Dale E. Albright to preventive maintenance worker (elevator) in Physical Plant.

Donald O. Andrews to maintenance worker general B at Altoona.

Douglas C. Bangs to cook at Hershey.

Mildred H. Cibik to laundry technician at Hershey.

Larry M. Coble to laboratory attendant B at Hershey.

Eugene H. Corl to livestock caretaker-research in Agriculture.

Thomas I. Cox to laborer helper/Power Plant in Physical Plant.

Mary J. Cubbison to clerk, maintenance A in Housing and Food Services.

Marty H. Early to operating room assistant at Hershey.

William E. Falk to janitorial worker in Physical Plant.

David T. Gingham to assignment office services assistant in Housing and Food Services.

Bertha R. Glovan to coffee shop attendant at Hershey.

Chester Kalwarski to group leader, maintenance worker at New Kensington.

Daniel P. Kupstas to electrician at Hershey.

Daniel C. Light to mechanic, maintenance A at Hershey.

Marshall C. Mihalek to group leader, electrician at Hershey.

Thomas J. Reeves to foreman, janitorial and maintenance at Capitol.

Robert B. Sims to maintenance worker general B at Altoona.

Rudolph R. Sonni to mail clerk-delivery at Hershey.

Melvin Stephens to maintenance worker utility in ARTS.

Terril R. Stiles to lead utilities analyst in Physical Plant.

Jose J. Texidor to maintenance worker A at York.

John B. Townsend to group leader, mail clerk at Hershey.

Carolyn E. Weaver to patient service aide at Hershey.

Retirements

Donald S. Hiller, director of DuBois Campus, will retire Sept. 1 after 37 years of service with the University.

He joined the faculty in 1941 as an instructor in political science and economics at DuBois. Following service with the U.S. Army in the European Theater, he returned to the University in 1946 as assistant administrative head at DuBois and assistant professor of political science. He was named Campus director in 1951.

During his tenure as director, facilities at DuBois have grown from one building, the former DuBois Mansion, to a modern campus with three buildings containing



Mr. Hiller

more than 90,000 square feet of space for instruction, administration and recreation. Nearly 600 students are enrolled at DuBois.

Mr. Hiller received B.A. degrees in history and English from Penn State in 1938. He earned his M.A. from the University in political science and economics in 1941.

Dr. Helen E. Buchanan Meahl, associate professor of sociology and social science, retired July 1.

Dr. Meahl first came to Penn State in 1954. She had earned a B.S. in home economics education and M.A. in sociology, both at the University of Arkansas. She served as a representative to the Arkansas State Legislature, taught in the public schools, and was dean of women at Central College.

After earning a D. Ed. from Penn State in 1961, Dr. Meahl taught at the University of Tennessee and Juniata College, returning to Penn State in 1970. During the past three years, she has served as director of the undergraduate sociology program.

Active in many professional organizations, she is a co-author, with Jessie Bernard and William M. Smith Jr., of the book, *Dating, Mating and Marriage*. Her research has focused on communication among family members and the changing roles of men and women in contemporary society.

R. Randall Glasgow, a residence hall maintenance worker in Housing and Food Services, retired July 1. He began working at Penn State on Jan. 23, 1968.

Romaine S. Grove, a residence hall worker at Capitol Campus since Aug. 12, 1968, retired July 1.

Jane B. Kaucher, a senior clerk at Oquendo Campus, will retire Aug. 1. She has been at the Campus since Feb. 1, 1963.

Alice Kelley, a senior clerk at Capitol Campus, retired July 1. She has been at the Campus since March 1, 1968.

Obituary

Clarence Rudy, a plasterer with the Office of Physical Plant who retired in 1970, died July 28. He was born July 1, 1910, in Charter Oak, Pa. He had worked at the University for eight years before retiring on disability.

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At left: Campus is developing nature trails. Above: Interior of the library.

Berks Campus

(Continued from page 1)

the Reading Police Department. The package could also be used by any other Pennsylvania police department which installed a Data Entry and Retrieval System similar to Reading's.

— Helping local governments and municipalities in the Berks-Reading area develop energy conservation plans. Questions to be tackled range from finding the most economical way for Reading to operate its 200-car motor fleet to determining how savings can be made on street lighting or in heating government buildings.

— Training staff in local service agencies to recruit, manage, motivate and retain volunteer help.

Berks' second major outreach to the community is through its Speakers Bureau, founded in 1967 and the largest at any Penn State Campus. Last year, it scheduled more than 100 talks, with subjects running the gamut from TV soap opera to Arizona's wild desert pigs. Speakers addressed senior citizens groups, women's clubs, Rotary, Lions, professional and business associations, and PTAs. The most popular speaker — with 12 engagements — was Russell A. Reed, assistant professor of chemistry, who gave talks on the Model T and Model A Fords.

The Berks Summer Theatre project brings together a summer company of semi-professional actors and actresses to produce a season of four plays, much like the Festival Theatre at University Park. More than 16,000 paid admissions are registered each season, indicating the strong local response to this community-oriented cultural effort.

Berks Campus traces its origin directly

back to the blue collar workers Penn State was founded to serve. Its forerear was the Wyomissing Trade School, established in 1927 by a local Reading industry. The Textile Machine Works, to provide its apprentices with theoretical knowledge and on-the-job training. By 1933, it had been chartered by the State as Wyomissing Polytechnic Institute and had opened its doors to apprentices from other local industries. That same year Penn State agreed to give college credits to Institute graduates.

WPI was accredited as a junior college in 1935 and continued its two-year program through the forties and into the fifties. Finally, in 1958, Textile Machine Works decided to bow out and deeded Penn State the 29.6 acre WPI site. Berks officially came into being on June 30, 1958 — the University's 14th Century. In 1967, 40 acres were offered to the University to establish the new Campus, and this land has been parlayed into the 130 acres comprising the present Campus, with 125 more acres available on option.

The Campus is proud of its beginnings. A WPI Memorial Sculpture was dedicated in 1976, and former WPI graduates — numbering more than 2,000 — have been declared eligible for membership in the Penn State Alumni Association.

Dr. Perkins was named director of the Berks Center in July 1959. A graduate of Washington and Jefferson College, he holds M.S. and D.Ed. degrees from Penn State. He previously served as alumni secretary and director of admissions at Washington and Jefferson and for ten years was associate dean of men at University Park.

From the beginning, he has forged close community ties.

"Our advisory board has been the focal

point in helping develop the physical facilities of the Campus," he points out. "They have been both resourceful and strongly supportive of our efforts."

The present Berks Campus is located in Spring Township on the outskirts of Reading. Its rural setting has been enhanced by the development of a new county park along the Tulpehocken Creek just across from the Campus. The Campus boasts a large wooded area with nature trails, and open-field and forest habitats are being developed as ecological study centers.

At present, the student population numbers about 800, and there are 45 full-time faculty members. Among the undergraduates, 500 are in the first two years of a baccalaureate degree program; 230 are working toward an associate degree; and 150 are in provisional or non-degree status. Continuing Education programs attract some 6,500 participants annually. Berks, along with Delaware County, recently pioneered an extended B.S. degree program in law enforcement and corrections for administration of justice personnel in southeastern Pennsylvania.

Campus activities center around three buildings. Luerssen, named for George V. Luerssen, Penn State alumnus and charter members of the Berks Advisory Board, was completed in 1972 at a cost of \$2.5 million. It contains classrooms, labs, and faculty and administrative offices. The \$1 million Library, a handsome modern building, and \$1.4 million Community-Student Learning Center complete the triangle. The latter has a 300-seat auditorium, a cafeteria, and a bookstore, plus space for classes and conferences. It was completed in 1972 as a result of a 1967-70 campaign for local funds combined with matching federal and

self-amortizing University funds available at that time.

Berks \$1 million "Partners in Progress" drive will add a fourth building to the complex.

The fund drive, which ended May 31, called on the resources of the more than 5,000 Berks Campus alumni in the community, as well as local corporations, businesses, foundations, labor organizations and other groups. The goal of \$1 million was surpassed, with \$1.1 million being raised.

"For the second time in 20 years," Dr. Perkins points out, "the people of Berks County, including many loyal alumni, have risen to the challenge of supporting the University and the Berks Campus in efforts to bring the fullest measure of University service to this geographic area. Like other Penn State Campuses, the combination of local strength with University resources becomes a most productive partnership, both educationally and economically."



Above left: Library exterior. Right: Luerssen, Berks' first building, contains classrooms, labs and offices. Top right: Director Perkins.

Calendar

August 17-27

Special Events

Thursday, August 17
Cinema Internationale, Orson Welles, *F for Fake*, 7 and 9 p.m., Room 112 Kern.

Friday, August 18
Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Karen Eckroth, soprano, and Tony Leach, piano, 8:30 p.m., Music Bldg. Recital Hall.

Monday, August 21
Internationale Student Orientation, 9:30 a.m., Kern, through Thursday, August 24.
Last day for signing Summer Term Emergency Registration, Room 108 Shields.
Early registration for Fall Term, 8:30 a.m., 4:30 p.m., Room 112 Shields, through Friday, August 25.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Summer Term classes end, 9:55 p.m.

Tuesday, August 22
Final examinations.

Wednesday, August 23
Final examinations.

Thursday, August 24
Final examinations.

Sunday, August 27
Commencement, 1:30 p.m., Rec. Bldg.

Exhibits

Chambers Gallery: Vitold Kobisz, Karl Love and Gregg A. Mierka - mixed media, through August 18.

Earth and Mineral Sciences Museum: open Tuesday-Friday, 9 a.m.-5 p.m., Saturday and Sunday, 1-5 p.m. Steidle Bldg.

Kern Commons Gallery: Surinam wood carvings from the collection of the American Museum of Natural History, New York City, through August 19. Wendy Lebo, jewelry and paintings, and Michael Solon, sculpture and drawings, both through August 26.

Museum of Art: open 12-5 p.m., daily; closed Mondays; tours at 1:30 p.m. on Sundays. Contemporary American prints from the permanent collection, through August 20; contemporary American art selected by Paul Shanley.

WPSX Highlights

A festival of country music begins Saturday, Aug. 19, at 8 p.m. with a one-hour bluegrass special called **Bluegrass at the Englishman Music Hall**. At 9 p.m., Willie Nelson and Tracy Nelson team up on **Austin City Limits**, followed at 10 o'clock by Tex Logan and Don Stover on a new series, also called **Bluegrass at the Englishman Music Hall**. At 10:30 p.m., Channel 3 presents its own **Bluegrass** series featuring the Nittany Mountaineers. The country music festival continues Monday through Saturday (Aug. 21-26). George Bernard Shaw's *Major Barbara* is featured in its motion picture adaptation on PBS Movie Theater, Sunday, Aug. 20, at 2 p.m. The 1941 film stars Wendy Hiller, Robert Morely, Deborah Kerr and Rex Harrison and was directed by Gabriel Pascal.

Penn State's Museum of Art is featured Tuesday, Aug. 22, at 7:30 p.m. on **Talkabout**. The 30-minute program offers an opportunity to see some of the outstanding pieces of American, Oriental, and European art which are part of the museum's permanent collection.

Fran Fisher narrates highlights of the Nittany Lions' 1977 football season on *The Spirit of '77*, Wednesday, Aug. 23, at 7:30 p.m.

Wednesday, Aug. 23, at 8 p.m., a one-hour **National Geographic Special** explores the world of the great whale, the largest mammal ever to inhabit the earth. The program describes current research findings and questions our misconceptions about the physiology and sociability of the whale.



Signing agreement for a new foreign studies program at the University of Nairobi, Kenya, are (seated) left E.N. Gichu, Nairobi registrar, and Dr. R.E. Dunham, vice president for undergraduate studies. Standing, left, Dr. C.N. Karuru, dean of agriculture faculty, Nairobi, and Dr. W. LaMar Kopp, director, Foreign Studies Programs. Six Penn State students will enroll at Nairobi this fall.

Task forces

(Continued from page 1)

Government: Darlene M. Dunay, coordinator, Council of Branch Student Government Associations.

The staff for this task force will be Carl A. Lindsay, head, Planning Studies, Continuing Education, associate professor, education, and Robert D. Newton, associate director, Institutional Research Division, Office of Budget and Planning.

TASK FORCE III: FACULTY AND STAFF

William W. Asbury, Affirmative Action Officer; Roy C. Buck, professor, sociology and social science; Carol B. Cartwright, Task Force chairperson, associate professor, education; Michael M. Coleman, assistant professor, polymer science; Roland R. Daniels, associate professor, environmental horticulture; Thomas E. Daubert, professor, chemical engineering, past-chairman, University Faculty Senate; A. Daniel Frankforter, assistant professor, history, Behrend College; Robert L. Kidder, manager, Employment Division, Office of Personnel Administration; John A. Lieb, associate professor, chemistry, Fayette; Kathryn M. Moore, associate professor/researcher, research associate, Center for the Study of Higher Education; Theodore R. Vallance, associate dean, research and graduate studies, College of Human Development; Michael A. Santulli, associate professor, philosophy, Hazleton; Rosemary Schraer, assistant provost, professor, biochemistry; Diane Pepe, assistant professor, art; Vickie L. Ziegler, associate professor, German; Dianne Taylor, president, Graduate Student Association.

The staff for this task force will be Ruth

C. Hollinger, senior planning analyst, and Richard D. Sheeder, systems planning specialist, both of the Office of Budget and Planning.

TASK FORCE IV: RESOURCES AND SUPPORTING SERVICES

Elizabeth P. Anderson, assistant professor, human development, New Kensington; Janet Atwood, associate professor, physical education; James B. Bartoo, dean, Graduate School, professor, mathematical statistics; Steve A. Garban, controller; Richard E. Grubb, vice president, administrative services; Stephen F. Jablonsky, assistant professor, accounting; Marjorie M. Knoll, professor, family economics and home management; Robert D. Lee Jr., professor, public administration; George R. Lovette, assistant vice president, business; John W. Malone, Task Force chairman, professor and head, agricultural economics and rural sociology; Arthur C. Miller, assistant professor, civil engineering; Lawrence J. Pilone, assistant professor, physics, Altoona; Lee W. Saperstein, professor, mining engineering, chairman, University Faculty Senate; Vernon L. Shockey, director, Mont Alto; Barbara J. Smith, coordinator, Commonwealth Campuses-University Libraries, senior associate librarian; William A. Weidner, associate dean, health care, professor and chairman, radiology, Hershey.

The staff for this task force will be P. Richard Althouse, director, Budget Division, Office of Budget and Planning, and Michael L. Tierney, assistant professor/research associate, Center for the Study of Higher Education.

Additional students will be named to the four task forces in the fall after consultation with student leaders and the Student Academic Assembly.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (toll-free line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 24, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

AFFIRMATIVE ACTION SPECIALIST, PRESIDENT'S OFFICE - OFFICE OF PROVOST - University Park. Responsible to the Affirmative Action Officer for performing the wide range of duties which insures compliance with Federal and State legislation and other laws and regulations governing employment and affirmative action. Requires knowledge of discrimination theories and affirmative action principles, ability to design, develop, and implement programs, ability to collect and analyze data, effective research techniques, effective listening and inter-personal communications skills, and written and oral communications skills. Bachelor's degree or its equivalent is necessary, two to three years' effective experience, preferably in a similar position.

ASSISTANT DIRECTOR, INTERNATIONAL STUDENT AFFAIRS - University Park. Responsible to the Director of International Affairs in planning, implementation and execution of various programs and services, including counseling and activities. Master's degree (or equivalent) with some preparation in counseling or a related area, plus up to one year of related experience.

RESEARCH AIOE, COLLEGE OF AGRICULTURE - University Park. Prepare and perform various types of experiments related to poultry behavior, including numbering birds, pedigree hatching, electrode implanting, etc. Collect and record behavioral data utilizing 1mm and 35 mm camera equipment, tape recorders, electrophysiological instruments and direct observations. Assist with data analysis, organization, etc. Submit data for computer analysis, organize output and prepare preliminary evaluation. Prepare drawings, graphs, figures and charts of data collected. Responsible for laboratory equipment maintenance and orderliness of laboratory. Bachelor's degree or its equivalent in biology, anatomy, science, etc. with three to six months of related experience.

RESEARCH AIOE, COLLEGE OF AGRICULTURE - University Park. Perform chemical analysis for various mineral elements in sewage sludge, plant and animal tissues. Perform biochemical and analysis of various animal tissue, tissue fraction and body fluids. Collect tissues and body fluids and properly prepare for analysis. Summarize and report the results obtained in investigation. Bachelor's degree in science, preferably in chemistry or biochemistry, plus six to twelve months of related experience required.

ASSISTANT FOOD SUPERVISOR, HOUSING AND FOOD SERVICES - One Vacancy Commonwealth Campuses, One Vacancy Behrend College. Responsible for assisting in the management of Oning Hall, Residence Hall, Snack Bar and Cafeteria. Operations as required, B.S. degree or equivalent, plus three to twelve months of related experience in food services.

RESEARCH ENGINEERING ASSISTANT, COLLEGE OF SCIENCE - University Park. Design and repair capability in RF, Analog and digital circuit design, alter and construct complex instrumentation systems utilized in research within Department. Work involves Nuclear Magnetic Resonance Spectroscopy systems. Bachelor's degree in electrical engineering, physical science or a closely related discipline, plus one year of related experience. FCC First Class License and amateur radio experience highly desirable.

News briefs

(Continued from page 1)
At 10:30 a.m. Dinner will be available from 4 to 6 p.m.

Kern will be open Monday through Friday from 7:30 a.m. to 6 p.m. through Aug. 25.

The Terrace Room will reopen Monday, Aug. 28.

All of these facilities will be closed Aug. 26 and 27, as well as on Labor Day, Monday, Sept. 4.

Term break library schedule

Pattee Library will be open from 7:45 a.m. to 5 p.m. Thursday and Friday, Aug. 24-25. It will close for the weekend, reopening Monday, Aug. 28, through Friday, Sept. 1, 7:45 a.m. to 5 p.m. The building will be shut during Labor Day weekend, Sept. 2-4, and 4 hours, beginning Tuesday, Sept. 5, will be 7:45 a.m. to midnight. Branch libraries will open at the same time but close at 11 p.m.

Pollock Library will be closed over term break, resuming regular hours, 1 p.m. to midnight, Sept. 5.

Funding sources

For further information, call 865-1372

(322-1) The National Science Foundation has reinstated its Undergraduate Research Participation program for FY 1979. All projects must recruit some participants from outside the grantee institution. The closing date is Sept. 15 and intent-to-submit cards must be returned 20 days prior to closing date. (Ref. SE 79-21).

(322-2) The NSF Program of Local Course Improvement for Undergraduate Science Education has an Oct. 3 deadline. A given department (or discipline) within an institution may be represented by no more than one proposal submission. (Ref. SE 79-34).

FELLOWSHIPS

For further information, inquire at Room 320 Kern or call 865-2514.

(322-3) U.S. Department of Labor (Attn: C. Corsey, Office of Advanced and Applied Technology Affairs, Bureau of Occupational and Intellectual Environmental and Scientific Affairs, Room 4327A, Department of State, 2201 C St. N.W., Washington, D.C. 20520) announces the availability of post-doctoral fellowships for 1-3 and 6-12 months paying \$1000/month plus travel expenses

for research and consultation in agriculture, natural resources, oceanography, environment, urban and regional planning, industrial technology, energy, biomedical and basic sciences in Spain. Application forms and further information may be obtained at the address given above. The application is due Aug. 21 at the Executive Secretariat of the Joint Committee for Scientific and Technological Cooperation, Calle Cartagena 83085, Thrid, Madrid 28, Spain (Ref. SE 79-13).

(322-4) American Council of Learned Societies (Office of Fellowships and Grants, 345 E 46th St., New York, N.Y. 10017) announces the following deadlines for post-doctoral fellowships: Fellowships for research in the humanities, Sept. 30; Study fellowships for young scholars, Nov. 15. Grants-in-aid to help recent Ph.D. recipients prepare their work for publication, Sept. 30. Grants and fellowships for research on Chinese Civilization, Dec. 1. Grants for East-European studies, Dec. 1. Grants-in-aid for research, Jan. 15, 1979 (Ref. SE 79-13).

(322-5) U.S. Department of Labor (Attn: R. Mansford, Office of Research Grants, Employment and Training Administration, Room 9108, 601 O St. S.W., Washington, D.C. 20212, Phone 202-376-7253) has set deadlines of Sept. 1, Dec. 1, March 1 and June 1 for applications for grants for manpower-related doctoral dissertation research. Grants range from \$2500 to \$26,000 (Ref. SE 79-14).

Penn State Intercom



With the help of several wires, Dr. Jerome K. Pasto, associate dean for resident education in the College of Agriculture, displays an 1895 milking machine donated to the newly established Agricultural Implement Museum by Mr. and Mrs. N. Dean Starnor of Bradford County. The museum is located at the University's Rock Springs Center, and contributions to the collection are welcome.

News in Brief

Bumper stickers available

In support of the dictum that "a university is a collection of mutually repellent particles held together by a common interest in parking," new parking bumper stickers are now available to faculty and staff.

Present stickers expire Sept. 30, and replacements must be displayed no later than Oct. 1. They will be valid for one year.

Faculty and staff who wish to register a second car for parking privileges may do so by paying a \$10 second vehicle registration fee. The fee will be accepted either by department financial officers or the Bureau's Office, who will in turn issue receipts. These receipts must then be presented to the department parking representative.

Old bumper stickers need not be turned in to receive new stickers, but anyone who damages a new sticker in attempting to affix it will have to present the remnants to get a free replacement.

To make stickers adhere, wipe the bumper clean and be certain it is dry. If the sticker is placed on top of last year's, the old one must be completely covered. A razor blade is the best tool to use to remove old stickers. The University will not issue replacement fingers.

The attendant at the kiosk on Curtin

Road by the Visual Arts Bldg. will be available to assist handicapped faculty and staff in removing old stickers and affixing new ones.

Returning adult students invited to special orientation

An orientation meeting for returning adult students will be held from noon to 1 p.m. on Friday, Sept. 1, at the Paul Robeson Cultural Center in Walnut Bldg. Anyone who is returning to school after a prolonged absence will be invited to attend.

WPSX program hailed

A half-hour WPSX-TV adult instruction program, "The 29th Day," was honored recently by the Corporation for Public Broadcasting.

"The 29th Day" received the Corporation's Local Program Award, the highest honor that can be given to a local educational/public television program by the public broadcasting community.

"The 29th Day" is a program in "The Finite Earth," an independent study by television credit course produced by WPSX-TV and broadcast through the Pennsylvania State University of the Air. It was produced and directed by Len Siebert of WPSX-TV and the program's academic advisor was Dr. Francis J. Vastola, professor of fuel science.



Senate to consider reports and constitutional amendments

An agenda featuring several informational reports and three proposed changes to the Senate Constitution and Bylaws will greet University Faculty Senators when they convene at 2:10 p.m., Thursday, Sept. 7, in Room 112 Kern Bldg.

The three proposed constitutional amendments were first put forth at the Senate's June 6 meeting but under the rules could not be voted upon until September.

One amendment is designed to give better Senate representation to graduate students, including medical students, outside University Park. The change would provide for election of three graduate student senators from University Park and one from another Campus. The present version of the Constitution and Bylaws says that four graduate student senators shall be elected but specifies no location.

A second proposed amendment would provide an administrative procedure for removal of inactive Senators. The Bylaws would be changed to require any Senator to resign should he or she be absent from four regularly scheduled Senate meetings in one year. Requests for exception could

be made to the Senate Committee on Committees and Rules.

The third proposal, described as "a minor administrative change," would base the number of Senators to be elected from each voting unit on the distribution of University faculty as of Nov. 1 of each year rather than Jan. 1 as is now the case.

In other action, the Curricular Affairs Planning and Development Committee will present a report on the cost and implementation of BDR III, the revision in baccalaureate degree requirements approved by the Senate in May.

The annual report on the operations of the University Libraries will be presented by the Senate Committee on Libraries. The Committee on Extended Degrees will also issue its yearly report.

Senators will hear a report on the role of the academic adviser, prepared by a subcommittee of the Senate Committee on Undergraduate Instruction. That report is published in this issue of INTERCOM on page 3.

Senate Chairman-Elect Dr. George W. McMurtry is expected to comment on the development of the Penn State Plan for the 1980s.

Hearings to be held across State for faculty input on governance

In an effort to obtain the broadest possible faculty input, hearings will be conducted next month in three separate locations by the Joint Senate-Administrative Select Committee on Faculty Participation in University Governance.

The joint committee is assessing the effects of faculty participation in governance emanating from the 1974 "Friedman Report" (so-called because of the chairmanship of Dr. Robert Friedman, professor of political science, of the select committee which prepared the report).

The report made 35 recommendations aimed at broadening faculty responsibility for the policies and operations of the University. The 35th recommendation was for the establishment of a review committee which would evaluate progress.

The review committee will conduct hearings for faculty members from the University's eastern Campuses from 3 to 5 p.m. on Monday, Sept. 11, at the Berks Campus.

A session for faculty from the western Campuses will be held Monday, Sept. 18, from 3 to 5 p.m. at the New Kensington Campus.

Central Pennsylvania faculty will have the chance to air their opinions on Tuesday, Sept. 19, from 3 to 5 p.m. in Kern Graduate Bldg. Auditorium at University Park.

The committee is chaired by Dr. John J. Coyle, professor and head of Business Logistics. Members include: Dr. Stanley O. Ikenberry, senior vice president for administration; Dr. Ernest H. Ludwig, associate dean of the Graduate School; Dr. Robert E. Malcom, professor of accounting; Patricia M. Overdeer, professor of mathematics at Ogonitz; Dr. Stanley F. Paulson, dean of the College of the Liberal Arts; Dr. Morris E. Schroeder, professor of agricultural engineering; Dr. Helen I. Snyder, associate professor of educational psychology; and John D. Vairo, director of the Delaware County Campus.

Behrend zip code

The volume of mail at The Behrend College has become large enough to justify having an exclusive zip code. The number is 16563 and should be used on all mail sent to the College.

Gospel music soloist to perform

Singer and pianist Pearl Williams-Jones will present a concert, Music of Black America, at 8 p.m. Friday, Sept. 8, in Eisenhower Auditorium.

The concert, to which admission is free, is sponsored by the Paul Robeson Cultural Center.

Ms. Williams-Jones is a graduate of Howard University where she earned both the bachelor and master of music degrees, and she has performed on television, radio and in concert halls throughout America and Europe.

Currently associate professor of music at the University of The District of Columbia, she will be accompanied by Erick Johnson, percussionist, and James Funches, electric bass.

Ms. Williams-Jones was awarded an honorary Doctor of Humanities by Lycoming College in Williamsport.

Penn Staters

Dr. Helmut Hager, professor and head of art history, and **Dr. Heinz K. Henisch**, professor of physics and of the history of photography, have been appointed Fellows of the Institute for the Arts and Humanistic Studies, effective Oct. 1. Appointments are made at the recommendation of advisory committees in Liberal Arts and Arts and Architecture and of the active Fellows of the Institute.

A member of the faculty since 1970, Dr. Hager is an international authority in the field of 17th century Italian art and architecture. He is a graduate of the Free University of Berlin and was awarded a Ph.D. at the University of Bonn. He has published four books, as well as articles in English and Continental journals, notably in the area of Baroque architecture and architectural decoration.

Dr. Henisch is an international authority in the field of the history of photography and the founder and editor of the research quarterly journal of the History of Photography. His work in solid state physics led him into the chemistry and physics of early photographic processes and thence into their history and development. He holds B.Sc. and Ph.D. degrees from the University of Reading, which this summer awarded him an honorary Doctorate of Science in recognition of the three scholarly books and 100 research papers he has published. A member of the faculty since 1963, he is a fellow of the Royal Photographic Society (London) and the American Physical Society, and a Corresponding Member of the Deutsche Gesellschaft für Photographie.

The appointment of **Dr. Simon Belasco**, professor of Romance linguistics, as an Institute Fellow, also effective Oct. 1, was announced earlier.

The following appointments, effective immediately, have been announced in the College of Science:

Dr. Leonard N. Zimmerman, professor and head of the Department of Microbiology and Cell Biology, has been appointed acting associate dean for research. He succeeds **Dr. Rosemary Schraer**, professor of biochemistry, who becomes assistant provost Sept. 5. Dr. Zimmerman has been head of his department since 1975. A specialist in bacterial physiology and genetics, he joined the Penn State faculty in 1951.

Dr. Daniel R. Tershak, associate professor of microbiology, has been appointed acting head of the Department of Microbiology and Cell Biology. Dr. Tershak joined the Penn State faculty as an assistant professor in 1964 and was promoted in 1969. The poliovirus is his major research interest.

In addition, **Dr. Jonathan Goldstine**, associate professor of computer science, has been appointed acting head of his department. He succeeds **Dr. Patrick Fischer**, professor of computer science, who has returned to full-time teaching and research. Dr. Goldstine and Dr. Fischer joined the Penn State faculty in 1974.

Dr. Lester S. Golub, professor of education, has returned from England where he delivered lectures and seminars at Cambridge University, The National Foundation of Educational Research, The University of Leicester, the University of Nottingham, Middlesex Polytechnic Institute, and the Institute of Education at the University of London. The topics of his presentations included technical data on the Computerized Syntactic Density Score, which is now on the computer at Cambridge University, and Aspects of Measuring Children's Written Language Development. His host institution was the University of Nottingham, particularly the faculties of English Education, Reading, Linguistics, and Computer Science.

Robert Trehy, professor of music, appeared as guest soloist with the St. Louis Symphony Aug. 4 in the orchestra's home

city. The program was devoted to the music of Lerner and Loewe.

Dr. Luis F. Gonzalez-Cruz, associate professor of Spanish at New Kensington, presented a paper, "El Quixote y Fernandez de Lizardi. Revision de una influencia" at the First International Congress on Cervantes held in Madrid, Spain, during July.

Dr. Ronald L. Filippelli has been given a joint appointment as associate professor of labor studies. Dr. Filippelli has been on the faculty of Penn State since 1967 as historical collections archivist of the Pennsylvania Historical Collections and Labor Archives in the Special Collections Division of Pattee Library. Dr. Filippelli holds the academic rank of librarian. He has a Ph.D. in American history from Penn State and is the author of a number of publications in scholarly and professional journals.



Eleanor Zyglar, professor of art, retired from the University July 18 with the rank of professor emerita. She was a member of the faculty for 37 years.

Prof. Zyglar received degrees from Carnegie-Mellon University and Mills College, and she also studied at Yale and Brandeis Universities and at the Instituto de Bellas Artes.

She has taught courses in watercolor, oil, painting, drawing and design. In addition, beginning in 1946, she pioneered courses in painting for adults as part of a statewide adult education program. She has also conducted artist-in-residence programs and juried many art exhibitions throughout the State. Co-chairman of the first Central Pennsylvania Festival of the Arts, she co-founded and sat on the Board of Directors for the Art Alliance of Centre County.

While maintaining a successful teaching career, Prof. Zyglar also gained recognition as a professional artist. Her work has appeared in group exhibitions across the nation, and she has had 15 shows of her own works.

Prof. Zyglar plans to continue painting, and exhibiting, and working to develop the cultural arts of the region.

Craig M. Gauld, associate professor of management development, has retired from the faculty of the Beaver Campus. He joined Penn State's staff in 1963 and spent the first five years at Behrend in Erie before transferring to Beaver.

A graduate of the University of Pittsburgh with a B.S. in engineering, Prof. Gauld, before joining the faculty, was supervisor of Personnel Administration and Training for Koppers Company, Inc., Plastics Division. He was also employed by Pressed Steel Car Company, Curtiss-Wright Corporation, Propeller Division; Cities Service Oil Company; Johns-Manville Sales Corporation; and Central Airlines.

Obituary

Edith Bechdel, an instructor in the College of Education from 1966 to 1973, died Aug. 16. She was born July 10, 1907, in Pittsburgh and earned bachelor's and master's degrees at the University. She taught in the area of Special Education.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 7, 1978. **DONOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, sex, marital status, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

AREA REPRESENTATIVE - CONTINUING EDUCATION, McKeesport Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent with two to three years of directly related experience in business, industry or education.

DATA ADMINISTRATION COORDINATOR - MANAGEMENT SERVICES, University Park Responsible to the Lead Data Base Analyst for documenting data base policies and guidelines, participating with data users in reviewing policy, informing data users of policies and guidelines, and supporting systems development activities by providing the necessary books and reference aids concerning the scope and fidelity of the existing University data bases. Responsible for maintaining the dictionary for the University data bases. A bachelor's degree (or equivalent) in information science, library science, or business administration, plus one to two years of administrative and business experience in record keeping. Computer science experience is highly desirable.

DENTAL ASSISTANT - COLLEGE OF MEDICINE, Millersburg Responsible to the Dentist for the performance of various functions pertaining to patient care and preparation, patient education programs, and assist the dentist in operative procedures. Graduate of a state-licensed school of medicine and dental assistants and one year of directly related experience or equivalency.

SUPERVISOR, CRITICAL CARE MONITORING - COLLEGE OF MEDICINE, Hershey Responsible to the Patient Unit Coordinator for the administration and coordination of the Critical Care Unit monitoring system to include the supervision of a varying number of Critical Care Monitoring Technicians. A bachelor's degree in electrical or electronic engineering or equivalency, plus one to two years of directly related experience.

GENERAL ACCOUNTANT - COLLEGE OF MEDICINE, Hershey Responsible to Assistant Director of Fiscal Services for the supervision and preparation of various accounting and financial reports pertaining to Hospital fiscal matters. A bachelor's degree in accounting or equivalency, plus one to two years of directly related experience.

ASSISTANT PLANNING ANALYST - OFFICE OF BUDGET & PLANNING, University Park Responsible to Division Head or other designated supervisor for assistance in the monitoring of University planning and analysis functions and for preparing special reports and studies as assigned. A master's degree or equivalent in business administration, higher education, economics, or public administration, plus 6 to 12 months of directly related experience in planning and analysis activities. Some knowledge of, and exposure to, University Public Affairs is preferred. This is a Fixed Term 1 position for the period Sept. 1, 1978, to June 30, 1979. Two (2) vacancies presently exist.

AREA REPRESENTATIVE - CONTINUING EDUCATION, Allentown Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, with two to three years of directly related experience in business, industry or education.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, McKeesport Responsible to the Dean of Student Affairs for the administration and coordination of the secondary school relations program, which includes the recruitment and admission of students. Requires a master's degree in student personnel, counseling or a related field, plus up to one year of directly related experience, or a bachelor's degree plus one to two years of directly related experience.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, York Responsible to the Dean of Student Affairs for the administration and coordination of various functions within Student Affairs, primarily in the areas of financial aid and student activities. Specific duties include coordination and implementation of the Campus's financial aid and student activities programs, educational-cultural programming, including art shows, various Campus publications, and assisting the Dean in other Student Affairs activities. Master's degree in student personnel administration, counseling, or related field, plus up to one year of experience, or a bachelor's degree plus one to two years of directly related experience.

ASSISTANT DEAN OF STUDENT AFFAIRS, Beaver Assumes responsibility for the Beaver Campus Student Affairs program in the absence of the Dean of Student Affairs and carries out specific responsibilities for residence hall life, student activities, student organizations, cultural affairs and the disciplinary system. Master's degree in student personnel administration or relevant field or the equivalent, plus

two to four years of directly related experience in responsible Student Affairs positions.

Admissions dean sought

The University is inviting nominations and applications for the newly established position of Dean of Admissions.

The Dean will be directly responsible to the Provost for the leadership and coordination of Penn State's multi-campus programs in the recruitment and admission of undergraduate students. The Dean will direct personnel and programs in such areas as communication with prospective students, relationships with the public, the processing of applications, and research on the characteristics of applicants and entering students.

The Dean's qualifications should include a record of effective leadership in higher education with a background in admissions or a closely related field, strong communications skills, and a deep understanding of the issues facing higher education. An appropriate terminal degree is highly desirable.

The Dean will serve as a member of the University's Council of Academic Deans. Nominations and applications with resumes should be sent by Oct. 16 to: Admissions Search Committee, Room 205 Old Main, The Pennsylvania State University, University Park, PA 16802.

Gogontz head sought

The Advisory Search Committee for Director at the Gogontz Campus announces that the search for a Director is continuing and invites the University community to submit applications and nominations. Nominees may be from outside the University.

Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the University level. Experience in higher education administration is especially desirable.

Applications and nominations should be directed to: Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, Room 111 Old Main, University Park, PA 16802, by Sept. 22, 1978.

Funding Sources

For further information, call 865-1372

(317-3) National Science Foundation (1800 G Street NW, Washington, D.C. 20555) invited proposals for dissertation research in environmental biology. There is no deadline, but proposals require six to nine months for decisions on funding. For further information, write to the address given above.

(317-4) Center for Field Research (Attn: E.E. Conner III, Jasper Road, Box 127, Belmont, MA 01718) has Oct. 1 as the test proposal deadline (see 1979 proposals) for support of field projects.

(317-5) Environmental Protection Agency (Grant Information Branch, Grants Administration Div., PM 216, Washington, D.C. 20460, phone 202-755-1331) offers fellowships to upgrade state and local water supply and pollution agency employees. Fellowship may be held full-time or part-time. Full fellowships provides \$6000 for one year. Fellowships are available also to prospective employees sponsored by an agency. For application kits and further information, write to the address given above.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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Editor's note: The following report will be presented as an item of forensic business at the Sept. 7 meeting of the University Faculty Senate. It is the subcommittee's hope that faculty will read the report and discuss it with their Senators in advance of the meeting.

At the request of the Senate Committee on Undergraduate Instruction, a subcommittee surveyed the various academic units of the University about their perceptions of the role and responsibility of the academic adviser, and set forth policy statements on the duties and responsibilities of the academic adviser and of the advisee. The attached report is the product of the subcommittee's research and deliberations. The report supports those of our colleagues who stress the need to recognize and to strengthen academic advising at Penn State. Central to the subcommittee's deliberations and to the report is the proposed consultative nature of academic advising (Section B) as opposed to the familiar approval/disapproval role of the adviser. Thus, Senators should particularly scrutinize Section B of the report because some readers and discussants have felt that the proposed consultative nature of academic advising undermines advisers' authority and might adversely affect their accountability. Others believe that, in the context of the adviser's advising responsibilities listed (B. 1, 2) and the suggestions in Section IV, academic advising at Penn State will, in fact, be strengthened if the report's suggestions were accepted and implemented. In the light of the above, the Committee on Undergraduate Instruction decided to recommend the subcommittee's report as a forensic business item. Thank you for your careful reading of the report and for your participation in the discussions on Sept. 7.

SUBCOMMITTEE ON THE ROLE OF THE ADVISER

H. von Dorowski, Chairman

M. L. Christensen

B. P. Derby

W. H. Gotalski

S. L. Haddad

J. J. Kelly

J. J. Romano

G. W. Sherritt

H. S. Wright

I. INTRODUCTION

Among colleges and universities across the nation, academic advising is receiving serious attention. In the fall of 1977, the first national academic advising conference was convened in Vermont. A second national conference is planned for 1978. Several additional national conferences and workshops centered on academic advising, the undecided student, and retention of students are scheduled for 1978. It is apparent from these developments that advising has become a national concern among institutions of higher education.

At a recent meeting of the University Council, Provost Eddy reported that in his reading of college and departmental program review statements, a single theme recurred in each: concern with the process and quality of academic advising.

Despite Faculty Senate interest dating to 1940, recognition of the role of advising as an integral part of teaching and learning has been slow to surface at Penn State. But concern has surfaced, due in large part to the following factors:

1. The growth of undergraduate programs (major, options, and special programs) in the colleges.
2. Expanded physical facilities, course offerings, and support services at all campuses.
3. Significant changes in the composition of the student body due to increased representation of minorities, women, veterans, educationally disadvantaged students, low-income students, the handicapped, and mid-life students.
4. Decline in the college-bound population.
5. Emergence of the concept of students as consumers.
6. The fact that 50 per cent of entering freshmen are undecided about their choice of major.
7. The fact that 50 per cent of Penn State's students change their major from one to six times.
8. The increasing tendency to impose restrictions on admission and transfer to majors.
9. The increasing complexity of the baccalaureate degree requirements.
10. An increase in the number of academic policy and procedural changes.
11. The emergence (nationally) of the need for a basic skills program.
12. The need to communicate to students complex placement actions regarding mathematics, English, chemistry, and basic



A report on the academic advising process

skills.

13. The quantity and complexity of information that describes one University at 22 locations, offering 150,000 courses, numerous program options, over 6,000 majors, and which reports over a thousand changes in its Bulletin each year.

Students choose this University for a variety of reasons, but the foremost reason should be the quality of its academic programs. As a significant component of this quality education, students have a right to quality advising.

This report proposes that such quality advising occur in a context quite different from the one in which it has been operating at this University. This different context is discussed in Section II. B. The Consultative Nature of the Academic Advising Process.

II. THE ADVISING PROCESS

The advising process begins before the student is admitted to the University, when advice and consultation are provided by high school counselors, by the University's Office of Secondary School Relations, by the Admissions Office, by Penn State Campuses, and perhaps by one or more of the colleges. After admission, but prior to their first registration, students participate in the Freshman Testing, Counseling, and Advising Program. Once enrolled, the student is assigned to an academic adviser.

A. The Five Components of Academic Advising

1. Conveying the Purposes of the University — includes advice and consultation regarding the aims of a land grant institution, the meaning of higher education, the essence of disciplinary and interdisciplinary study, the reasons for academic requirements, the expected standards of achievement, the spirit and satisfaction of scholarly work.
2. Information Giving — includes advice and consultation about registration, choice of specific courses, adjustments in course loads, and preregistration.
3. Short Range Program Planning — includes advice and consultation on term by term program planning, selection of specific courses, adjustments in course loads, and preregistration.
4. Long Range Planning — includes advice and consultation about educational and professional objectives suited to the student's demonstrated abilities and interests, as well as identification of the relationship between courses, programs, and occupations.
5. Student Referral — recognizes that the academic adviser cannot possibly meet all student needs but that specialized campus services are available for advice and consultation complementary to the knowledge and skill of the adviser.

B. The Consultative Nature of the Academic Advising Process

Academic advising is a matter of presenting the advisee with information required for sound decision making. As stated in Wyckoff, John H. et al., *Academic Advising and the Role of the Academic Adviser*:

"The role of the academic adviser in the University's advising program is consultative in nature, and is not one of granting or denying administrative approval to students for particular academic procedures or actions. Administrative approval, when necessary and appropriate, may be granted by the student's college dean or director."

"In an academic advising program where consultative relationships exist between students and advisers, some students propose actions with which the academic adviser cannot agree. In such cases, advisers are responsible for informing students of the appropriate course of action. Nevertheless, final decisions relative to course scheduling and program planning are the students' and they must assume responsibility for such decisions when these are inconsistent with the requirements of the chosen major and college."

The consultative nature of the advising process requires that both the advisers and advisees assume specific responsibilities.

1. Responsibilities of the Adviser
 - a. To be knowledgeable about program(s) in which s/he advises
 - b. To see that the advisee understands

and assumes responsibility for the degree requirements

- c. To assist the student in career planning
- d. To assist the freshman adviser in developing a well-planned exploratory program to facilitate choice of major and career.
- e. To be familiar with the published academic rules and regulations of this University.

To assist the advisee in planning the proper course for at least one term in advance

- f. To maintain an up-to-date academic advising reference file containing current program area, college, and University materials pertinent to advising
- g. To establish, post, and maintain adequate office hours throughout the entire term with particular emphasis given to Orientation, Preregistration, Registration, and the Drop/Add periods.

i. To insure that the advisee has a clear understanding of the adviser and advisee responsibilities in the academic advising process.

- j. To keep up-to-date records of the advisee's progress, including: the Profile of Academic Abilities, academic transcript or grade reports, current student schedule, and program check sheet.
- k. To discuss with the advisee unsatisfactory academic performance and its implications.

- l. To refer the advisee to appropriate sources of information and services.
- m. To be familiar with the responsibilities of the advisee.

2. Responsibilities of the Advisee

- a. To obtain a copy of the check sheet for the chosen major from the adviser and to keep it up-to-date as program requirements are fulfilled.
- b. To be aware that final responsibility for selecting courses and meeting degree requirements is the advisee's. The adviser can suggest, recommend, and remind the student of rules and requirements, but the advisee has the primary responsibility for meeting program and degree requirements.
- c. To know the adviser's office hours.
- d. To take the initiative in seeing the adviser.
- e. To inform the adviser of important changes in plans which directly affect academic performance and educational goals (finances, job, health, academic performance, changes in academic goals).
- f. To complete the preregistration process each term.
- g. To be familiar with the published academic rules and regulations of this University.
- h. To discuss with the adviser notice of unsatisfactory academic performance and its implications and to develop a program of action.
- i. To follow up on referrals made by the adviser.
- j. To be familiar with the responsibilities of the adviser.

III. CONCLUSIONS

Like other major universities, Penn State has grown in complexity as well as physical size. The number and complexity of programs, policy and procedural changes, and a more diverse student population have placed greater importance on advising, and the role of the adviser. The recent recognition of the student as a consumer assures that there may be legal and financial repercussions from uninformed or improper advising. As a result of these issues, we offer the following conclusions:

1. Advising and the role of the adviser are national concerns, they are not localized to Penn State. Advising has been a critical issue at many universities and colleges.
2. The responsibilities associated with advising and the role of the adviser have continued to expand in scope and complexity (see Introduction).
3. Advising is a comprehensive process and includes pre-admission information, testing, and counseling, as well as the five components listed under The Advising Process.
4. Academic advising is one of the elements of Penn State's comprehensive advising program.
5. Because advising is comprehensive, the

academic adviser could function in a consultative role rather than one of approval or disapproval.

6. If advising is consultative, then both advisers and advisees have specific responsibilities (see listing).

IV. SUGGESTIONS

1. The academic advising system, by which a student is assigned to an academic adviser, is an essential element of undergraduate education and should be retained as well as strengthened at The Pennsylvania State University.

2. Section II. A. 1-5 above (Components of Academic Advising) should be incorporated into the Senate's Academic Policies and Procedures for Undergraduate Students as Section 32-20.

3. Section II. B. above (Consultative Nature of Academic Advising) should be incorporated into the Senate's Academic Policies and Procedures for Undergraduate Students as Section 32-40.

4. All relevant University forms should be revised to reflect: (a) that adviser/advisee consultation has occurred, (b) that the adviser either agrees or disagrees with the proposed action, and (c) that the student accepts responsibility for the proposed action.

5. All relevant Senate Academic Policies and Procedures for Undergraduate Students should be revised to reflect the consultative role of the adviser (e.g., 34-55; 47-83; 49-60; and 80, Procedures).

6. The advising of students is one of the important duties assigned to most faculty members along with teaching, research, and creative activity, and should be considered separately in the promotion and tenure process (PS-23).

7. A reward system that recognizes academic advising as a separate activity should be developed and included in faculty promotion and tenure decisions.

8. A formal academic advising training program for new faculty members should be developed and implemented.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed, although names will be withheld on request.

Q. Here is a question that has bothered me for the last two terms (I have been teaching here for three terms): Why does the University not use + and - letter grades? As an example: A = 4.0, A- = 3.7, B+ = 3.3, B = 3.0, B- = 2.7, C+ = 2.3, C = 2.0, etc. This would distinguish, for example, between the high C and the low C. Also, it would provide a fairer chance for students who currently fall between two grades, e.g., B and C. There is a wide range between 3.0 and 2.0, but less between 2.7 and 2.3.

Greg N. Frederickson
Assistant Professor
Computer Science

A. Because of the interest generated over "grade inflation," the University Faculty Senate has, on several occasions, discussed grading practices and policies within the University. Most recently, in April 1976, in an informational report for a forensic session, the Committee on Undergraduate Instruction suggested the possibility of converting to a plus and minus grading system. However, based on the cost of implementing such a change and the lack of interest shown at that meeting, the Committee chose not to pursue the matter. Should there be renewed interest in such a grading system, the Committee would, I am sure, be most happy to investigate it further. Interested faculty should contact the Committee, through the Senate Office, if they have any views on the subject.

George W. Franz
Secretary
University Faculty Senate

Calendar

Aug. 31-Sept. 10

Special Events

Thursday, Aug. 31

Fall term registration, 8 a.m.-5 p.m., IM Bldg
Continuing Education registration, noon-8 p.m.,
Room 101 Kern.

Friday, Sept. 1

Pattee Library open, 7:45 a.m.-5 p.m., Closed
Sept. 2, 3 and 4.
Fall term registration, 8 a.m.-5 p.m., IM Bldg
Continuing Education registration, 9 a.m.-5
p.m., Room 101 Kern.
Encampment, all day, Civil Engineering Camp,
Stone Valley.
Farm Day, all day. HUB Lawn. Rain date, Sept.
6.

Saturday, Sept. 2

Antique Car Show, 10 a.m.-4 p.m., HUB Lawn.
Film, *Black Orpheus*, 8:30 p.m., Walnut Bldg.
Assembly Room.

Sunday, Sept. 3

University Chapel service, Derald Stump,
Episcopal chaplain, PSU, 11 a.m.,
Eisenhower Chapel.

Monday, Sept. 4

Labor Day, no classes, offices closed.

Tuesday, Sept. 5

Preregistration for winter term, HUB Desk or
Room 112 Shields, through Sept. 25.
Continuing Education registration, regular of-
fice hours, Room 309 Shields, through Sept.
14.

Intramural sports: men's touch football, tennis
singles, entry open. Entry close, noon.
Friday, Sept. 8, IM Office.

France-Cinema, *Pardon My Affaire*, 7 and 9
p.m., Room 112 Kern.
PSOC meeting, 7:30 p.m., HUB Ballroom.

Wednesday, Sept. 6

France-Cinema, *Pardon My Affaire*, 7 and 9
p.m., Room 112 Kern.

Sports: soccer, vs. Lock Haven, 7 p.m., Jeffrey
Field.
Artists Series film, (Berolucci 1972) *Last Tango*
in Paris, 8 p.m., Eisenhower Auditorium.

Thursday, Sept. 7

Fixed date for meetings involving Com-
monwealth Campus faculty.
Commonwealth Campus Caucus, 1 p.m., Room
106 Chambers.
University Faculty Senate meeting, 2:10 p.m.,
Room 112 Kern.

Friday, Sept. 8

Commonplace Theatre, *O God!*, 7 and 11

p.m., Room 121 Sparks.
Sports: soccer, vs. Cleveland State, 7 p.m.,
Jeffrey Field.

Department of Astronomy and Astronomy Club
Sky Watch, 8-10 p.m., roof of Davey Lab.
Cloud date, Sept. 9.
Pearl Williams-Jones, singer/pianist, "Music of
Black America," 8 p.m., Eisenhower Free
admission.

Saturday, Sept. 9

Sports: football, vs. Rutgers, 1:30 p.m., Beaver
Stadium.
Commonplace Theatre, *O God!*, 7 and 11
p.m., Room 121 Sparks.
France-Cinema, *Tall Blond Man with One Black*
Shoe, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 10

University Chapel service, Rustum Roy, solid
state science and Materials Research Lab, 11
a.m., Eisenhower Chapel.
Commonplace Theatre, *O God!*, 7 and 11
p.m., Room 121 Sparks.
France-Cinema, *Tall Blond Man with One Black*
Shoe, 7 and 9 p.m., Room 112 Kern.

Seminars

Friday, Sept. 1

Computer Science, Tetsuo Mizoguchi, Mat-
subishi Electric Corp., on "An Analysis of
Storage Utilization Factor in Block Split Data
Structuring Scheme," 10:30 a.m., Room 325
Whitmore.

Tuesday, Sept. 5

Air Pollution Control, Robert J. Heinsohn,
mechanical engineering and Center for Air
Environement Studies, on "Pennsylvania
Air Pollution Regulations," 2:20 p.m., Room
140 Fenske.

Thursday, Sept. 7

Astronomy/Physics, David L. Moores, physics
and astronomy, University College, Univer-
sity of London, on "Theory of Electron Im-
pact Excitation and Ionization of Positive
Ions of Astrophysical Interest," 3:50 p.m.,
Room 445 Davey.

Computer Science, Juri Hartmanis, Cornell
University, on "Succinctness of Descriptions
of Programs and their Relation to
Classic Unsolvable Problems," 4 p.m., Room
325 Whitmore.

Exhibits

HUB Gallery: Renaissance Gallery exhibit.

Kern Commons Gallery: Waskewich Gallery
print exhibit and sale, Sept. 5-8 David
Rubello, paintings, opens Sept. 9. Barbara
Garrison, prints and etchings, opens Sept. 9.

Museum of Art: "Singular Statements."

contemporary American art, John F.
Kensett, drawings, European paintings,
drawings and sculpture from the permanent
collection, opens Sept. 3.

Pattee Galleries: Earl Andrews, acrylic
paintings, East Corridor Gallery, Charles
Murawski, color photographs, Lending Ser-
vices Lobby, both through Sept. 5.

Robeson Cultural Center: Liani Foster,
paintings, sculpture and fabric designs,
opens Sept. 8.

Zoller Gallery: "American Snapshots,
Photographs with a Capital P from Family
Albums," opens Sept. 7.

WPSX Highlights

Members of the Joffrey Ballet are featured
Saturday, Sept. 2, at 9 p.m. in *The Joffrey
Ballet "Live" from Artpark*, a special two-
hour dance presentation. Selections will
include works by Frederick Ashton,
Gerald Arpino, and Ruthanna Boris. The
outdoor performance was recorded Aug.
23 at the New York state park for the
performing and visual arts.

Thomas Hardy's classic *The Mayor of
Casterbridge* is dramatized in a seven-part
presentation on *Masterpiece Theatre*,
beginning Sunday, Sept. 3, at 9 p.m. Alan
Bates stars as one of literature's first "anti-
heroes."

The Pallisers, based on Anthony
Trollope's novels about Victorian England,
returns Sunday, Sept. 3, at 10 p.m. with
the first episode in the series. Susan
Hampshire and Philip Latham play
Glencora and Plantagenet Palliser,
members of an aristocratic family involved
in British politics. The entire 22-episode
series will be broadcast in September. **The
Pallisers** can be seen most nights at 10 p.m.

Actor Ed Binn, who appeared recently in
the Festival Theatre presentation of
Maifoso, is Nancy Miller's guest Tuesday,
Sept. 5, at 7:30 p.m. on *Talkabout*. Mr.
Binn talks about the play, written by Sam
Gallu, and about his career and personal
ambitions.

Nittany Lions coach Joe Paterno, Jim
Tarman, and Fran Fisher are back in the
studio Wednesday, Sept. 6, at 7 p.m. for a
new season of *TV Quarterbacks*. The live
program will include interviews with
players and assistant coaches, highlights
from the previous week's game, and some
new features on Penn State facilities.



Cellist Rosen to highlight Music Series

Cellist Nathaniel Rosen, the 30-year-old
Pittsburgh Symphony first chair player
who on July 4 won First Prize in the
prestigious Tchaikovsky Competition in
the U.S.S.R., will be soloist with the
Pittsburgh Symphony Orchestra during
their seventh annual residency at Penn
State. The concert, scheduled for Feb. 2,
will be under the auspices of the Artists
Series and is one of the events in the Music
Series.

Rosen is the first American to capture a
Gold Medal in the Russian competition
since Van Cliburn took the honor 20 years
ago. For many years a pupil of the late
Russian cellist Gregor Piatigorsky, he is
principal cellist of the Pittsburgh
Symphony as well as a senior member of
the music faculty at Carnegie-Mellon
University and a participant in the
Carnegie-Mellon Trio.

Other events in the 1978-79 Music
Series are Emmanuel Ayv, pianist, Sept. 13:
the Manhattan Sovaoyards in Gilbert
and Sullivan's *Pastorale*, Oct. 13: Virtuosi di
Roma, Oct. 27: Beverly Sills, soprano,
April 6; and the Minnesota Orchestra,
April 27.

Tickets will be available for the Music
Series until Friday, Sept. 8. For further
information, call (814) 865-1871 from 9
a.m. to 4 p.m., Monday through Friday.

Museum is scoring two "firsts" with its Kensett show and catalog

A detective venture into the life of a long
dead artist has culminated in an exhibition
that sheds new light on an important
movement in 19th century American art.

"John F. Kensett Drawings," which will
be shown at the Museum of Art through
Oct. 22, is the first exhibition devoted to
the drawings of this influential landscape
painter. Its catalog marks another first. No
other work has been published on the
drawings of an artist of the Hudson River
School, a movement that had its heyday
from 1848-1875.

The exhibition includes 79 Kensett
works, but none of the 400 plus drawings
held by major museums in the Eastern
United States and often attributed to the
artist. John P. Driscoll, registrar of the
Penn State Museum and the person
responsible for the show and catalog,
explains that the omission is deliberate.

Mr. Driscoll believes, and he has two
years of painstaking research to support
his contention, that most of the drawings
heretofore attributed to Kensett were
actually made by other artists and that the
drawings in the Penn State show represent
the majority of those actually known to be
Kensett's.

When Mr. Driscoll set out to put the
show together, he looked first for
drawings that had an uncontested
Kensett connection. He found them in
New York's Babcock Galleries, in an

album whose ownership had been traced
back to Kensett. Comparing the drawings
in the album with the artist's own account
of his work, Mr. Driscoll was able to find
references in Kensett's diaries and
correspondence to most of the drawings in
the album.

In the course of his research, Mr.
Driscoll looked at Kensett drawings held
by major museums. He believes they are
not by Kensett, but are rather the works of
other painters of the period, an opinion
coming to be shared by other historians of
American art.

Mr. Driscoll points out that the
confusion over who drew what is quite
understandable. There are thousands of
drawings attributed to the Hudson River
School, a movement that began in New
York and included, in addition to Kensett,
such well known painters as Alvin Fisher,
Thomas Cole, Asher Durand, Frederick
Church, Martin Johnson Heade,
Worthington Whittredge, Albert Bierstadt
and William Sonntag.

There are similarities in the styles of
many of these artists, and the vast majority
of the drawings are unsigned.

By establishing a body of work that
can be definitely attributed to one of the
Hudson River School painters, we have
established a basis by which further
attributions in 19th century American
drawings can be made," Mr. Driscoll



Registrar Driscoll and Kensett drawings from show.

points out.

John Caldwell, assistant curator of
American paintings and sculpture at the
Metropolitan Museum of Art, writing in
the introduction to the exhibition catalog,
says:

"The most important aspect of any
exhibition is the quality of the art works it
contains, and here this exhibition takes on
the aspect of revelation...the drawings are

vital and interesting works of art on their
own. Kensett's skills as a draftsman, we
can now see, rival his abilities as a painter,
and in the delicacy and intimacy, the
boldness and variety of these drawings we
discover an altogether new and fascinating
aspect of the work of one of the greatest of
American landscape artists."

The exhibition will be shown in the
Babcock Galleries in November.

Penn State Intercom

News in Brief

Car pools being set up

The Energy Extension Service is sponsoring an effort to organize car pools for residents of State College and surrounding areas to travel to and from the University.

A sign-up drive will be conducted from Sept. 11 through 15, and anyone interested may obtain a form to fill out at the Energy Extension Office located at 5-121 Human Development Bldg. Those unable to appear in person should call the office, 863-0749.

Friends of Museum of Art conducting membership drive

The Friends of the Museum of Art are conducting a membership drive this month, prefacing a season of activities which includes trips to major museums and exhibitions in the East.

Limited space for members is still available on the Friends' September trip to see the Pittsburgh exhibition of ancient Irish art (including *The Book of Kells*) and on an October visit to the new East Wing of the National Gallery of Art in Washington.

In November, the Friends will sponsor a tour to the Treasures of Dresden exhibit at

the Metropolitan Museum of Art in New York, and another group will visit the Winterthur Museum in Wilmington, Delaware, in March. All places are reserved on the April trip to the King Tut exhibit in New York. The final trip will be a visit to the Philadelphia Museum of Art.

Reminder

Faculty can offer their input on the progress of faculty participation in University governance at a series of hearings scheduled by a Joint Senate-Administrative Select Committee.

A Sept. 11 hearing will be held for faculty from the Eastern Campuses from 3 to 5 p.m. at Berks.

The Western Campuses will get their hearings Sept. 18 from 3 to 5 p.m. at New Kensington.

And for those in Central Pennsylvania, there will be a hearing Sept. 19 from 3 to 5 p.m. in Kern Graduate Bldg. auditorium at University Park.

Among other privileges of membership are invitations to a regular series of gallery talks by art historians and artists. Esther Sparks, associate curator of prints and drawings at the Art Institute of Chicago, will open the series on Sept. 19.

Members also receive invitations to previews of major exhibitions at the Museum, and this year they will be eligible

for a ten percent discount on purchases of more than \$2 at the Museum Store.

Membership donations are used exclusively for the purchase of works of art for the Museum. Individual memberships are available at \$15 to \$24; family memberships, from \$25-\$99; contributing memberships, more than \$100; and patrons, \$1000 and up. Membership contributions should be sent either to the Museum of Art or to the Office of Gifts and Endowments, Room 116 Old Main.

Bookstore has daily papers

The Penn State Bookstore's HUB supply store is now starting its business day at 7:45 a.m., Monday through Friday. The following morning newspapers are available: Wall Street Journal, Washington Post, Philadelphia Inquirer, Pittsburgh Post Gazette, and, once the strike has ended, the New York Times.

Newcomers' coffees

The Newcomers' Club of the Faculty Women's Club has announced the schedule for its series of fall coffees welcoming women who are new to University Park.

The coffees, which are for incoming faculty and administrators or their wives, will be held the week of Sept. 11.

The schedule is as follows: Monday,

Sept. 11, at the home of Catherine Kerr, 219 E. Adams Ave.; Tuesday, Sept. 12, at the home of Anne Haessel, 1114 Williams St.; Wednesday, Sept. 13, at the home of Pat Smith, 1108 Kay St., Boalsburg; Thursday, Sept. 14, at the home of June Snyder, 322 Douglass Dr.; and Wednesday, Sept. 20, at the home of Margaret Hardy, 1250 Garner St. All coffees begin at 8 p.m.

Further information may be obtained from Millie Reinschmidt, hospitality chairman, at 237-9771.

Pattee offering tours

The University Libraries will be providing tours of Pattee for faculty Sept. 11-15 at 9:30 a.m. and 2:15 p.m. The tours, which last approximately one hour, emphasize the services the library can provide. The faculty tours begin in the Reference Room on the first floor of East Pattee.

Rubello shown at Kern

The Kern Commons Gallery is presenting an exhibition of paintings by David Rubello from Sept. 30-Mr. Rubello, an assistant professor of art and director of the Zoller Gallery, received his B.F.A. from La Accademia Di Belli Arti in Rome and his M.F.A. at the University of Michigan. He has had numerous one-man exhibitions and participated in more than 50 group shows.

(Continued on page 4)

At least for now, all systems are go at University Airport

The first change comes into view before the airport is visible.

The fields lining Fox Hollow Road to the west have suddenly sprouted green chain link fencing. And pulling into the University Park Airport, the initial impression is surprise at the large number of cars clustered near two new mobile home units.

It won't be mistaken for JFK, but air travellers accustomed to the spartan comforts — and schedules — of University Park Airport will probably be happy to compromise.

After all, the additions signal the end of the long ride up the mountain to Midstate and the opening of service at University Park by three commuter airlines.

Allegheny Commuter, Air Atlantic and Trans Penn now provide service to Pittsburgh, Philadelphia, Harrisburg, Washington and Baltimore, with connectors to New York.

The acreage for the terminals (surprisingly cheerful and comfortable inside) and the parking lot have been leased to the Centre County Airport Authority, a group representing the Centre region community. No University funds will go into the buildings.

The University did erect the fencing, with assistance from the Federal Aviation Authority, as part of an overall plan to improve safety at the airport.

Equipment for an Instrument Landing System (ILS) has been installed and is being fine-tuned. Airport Manager Charles H. Shilke is hopeful that it will be flight tested and ready to be commissioned by mid-October. The ILS consists of a glide slope antenna and a localizer to give both the direction and approach slope information a pilot needs for a full instrument landing.

The ILS will bring pilots in close to the



Trailers being used for terminals are quite comfortable inside.

airport in bad weather, and a new medium approach lighting system (MALSR), also being installed by the FAA, will get them down on the runway.

The outer MALSR light marker is five miles away from the airport, Mr. Shilke explains, and the inner marker, 5000 feet from the end of the runway. The complicated system of high intensity lights is expected to go into operation at the same

time as the ILS.

The University has built two new hangars at the airport, bringing the total to six. Hangar space is leased to companies and individual owners of planes, Mr. Shilke says, adding:

"When I came here 16 years ago, there were four planes based at the airport. Today we have between 40 and 52."

Another project nearing completion is

the extension of one of the airport's two taxiways. Lengthening it frees the other

(Continued on page 4)

Practical information

The schedules of the commuter airlines are subject to change. When the large major carriers alter their flight times — and they frequently do — the commuters have to adjust their schedules to match.

Currently — and passengers should only accept these times as approximate — Allegheny Commuter Airlines, Inc., offers flights to Pittsburgh at 6:30, 8:40 and 11:10 a.m. and 2:17, 4:40, 7:30 and 8:40 p.m. Return flights are available at 7:40 and 10 a.m. and 1:05, 3:35, 6:25, 7:40 and 10:08 p.m. Telephone 238-8414.

Trans Penn will fly you to Pittsburgh at 6:35 a.m. and 12:15 and 7:30 p.m. It returns at 8:35 a.m. and 1:35 and 9 p.m.

Trans Penn also offers flights to the Greater Baltimore Airport at 9:55 a.m. and 3:55 p.m., returning at 11 a.m. and 5 p.m. Telephone 237-3604.

Washington or Harrisburg passengers now have two daily flights. The Commuter leaves at 7 a.m. and 1:50 p.m. Returns are 1 and 6:40 p.m. out of Harrisburg, noon and 5:40 p.m. out of Washington. The Commuter's Harrisburg flight also connects with flights east to New York.

Air Atlantic departs for Philadelphia at 7 a.m. and 4 p.m., returning from Philadelphia at 9 a.m. and 6:15 p.m. Telephone 364-1477.

Reduced schedules are maintained by all three airlines on Saturdays and Sundays.

Taxi service is available to and from the airport, or Fullington will get you there — the limousine meets seven different flights. Hertz is also scheduled to open an agency in the Air Atlantic-Trans Penn terminal.

University Park Calendar

FALL TERM 1978

Friday, Sept. 8

Last date for registering with foreign language departments (other than French and Spanish) for written language examinations. London Bus, Mondays and Fridays, 1:30 p.m. HUB Entrance, Saturdays of home football games, 9:30 and 10:30 a.m., corner of College and Allen Sts., through Nov. 17. Commonsplace Theatre, *O God*, 7, 9 and 11 p.m., Room 121 Sparks.

Sports: soccer, vs. Cleveland State, 7 p.m.

Jeffrey Field.

Astronomy Sky Watch, 8-10 p.m., roof of Davey Lab. Cloud date, Sept. 9. Pearl Williams-Jones, singer/pianist, "Music of Black America," 8 p.m., Eisenhower Auditorium. Free.

Saturday, Sept. 9

Sports: football, vs. Rutgers, 1:30 p.m., Beaver Stadium.

Commonsplace Theatre, *O God*, 7, 9 and 11 p.m., Room 121 Sparks. France-Cinema, *Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 10

University Chapel service, Rustum Roy, solid state science and Materials Research Lab, 11 a.m., Eisenhower Chapel.

Commonsplace Theatre, *O God*, 7, 9 and 11 p.m., Room 121 Sparks. France-Cinema, *Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Week of Sept. 11

Monday, Sept. 11

Intramural sports: men's bowling, entry open. Entry close, noon, Thursday, Sept. 14, IM Office.

Sign-up for car pools, through Sept. 15. Energy Extension Office, Room S-121, Henderson. Telephone: 863-0749.

Colloquy Lecture, George Plimpton, 8 p.m., Eisenhower Auditorium.

Tuesday, Sept. 12

Liberal Arts Open House, 10 a.m.-4 p.m., Room 112 Sparks.

Wednesday, Sept. 13

Sigma Delta Epsilon luncheon meeting, Theresa Huston, chemistry graduate student, on "Reaction of Ammonia with Ozone," noon, Room 101-A Kern.

Artists Series, Emanuel Ax, pianist, 8:30 p.m., Eisenhower Auditorium.

Thursday, Sept. 14

Late registration deadline

Add deadline.

GSA football workshop, "Fran Fisher on Football," 1:30-5 p.m., Room 112 Kern. France-Cinema, *Lumiere*, 7 and 9 p.m., Room 112 Kern.

College of Science Student/Faculty Coffee Hour, 7:30 p.m., Room 333 Whitmore. Penn State Dames meeting, 8 p.m., Room 101 Kern.

Friday, Sept. 15

Fixed date for meetings involving Commonwealth Campus faculty.

Sports: men's tennis, EAA championships, men's golf, EAA championships. France-Cinema, *Lumiere*, 7 and 9 p.m., Room 112 Kern.

French Department Public Lecture, Germaine Bree, Kenan Professor, Wake Forest University, on "The Problematic Art of Autobiography in Contemporary France," 8 p.m., HUB Assembly Hall.

Saturday, Sept. 16

Sports: men's tennis, EAA championships, men's golf, EAA championships, baseball, vs. West Chester (2), 1 p.m., Beaver Field. Commonsplace Theatre, *Damnation Alley*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 17

University Chapel service, Eric Routley, Westminster Choir College, Princeton, N.J., 11 a.m., Music Bldg. Recital Hall.

Sports: men's tennis, EAA championships, baseball, vs. West Chester (2), 1 p.m., Beaver Field.

Commonsplace Theatre, *Damnation Alley*, 7 and 9 p.m., Room 112 Kern.

Week of Sept. 18

Monday, Sept. 18

IAHS winter and spring term faculty research grant applications due, Ibsen Cottage.

Last date for Nov. graduates to activate diploma cards in Registrar's Office and pay these fees at Bursar's Office.

IAHS Lecture, Olive Checkland, lecturer in economic history, on "Health Care in Victorian Scotland," 4 p.m., Room S-209 Henderson.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Monte Bedford, oboe, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Sept. 19

Gallery Talk, John P. Driscoll, Museum of Art, on "John F. Kensett Drawings," 10:30 a.m., Museum of Art.

Artists Series film, Ingmar Bergman, 1975, *The Magic Flute*, 8 p.m., Eisenhower Auditorium.

Wednesday, Sept. 20

Commonsplace Theatre, *Sometimes a Great Notion*, 7 and 9 p.m., Room 112 Kern.

Black Studies Program Open House, 7:30 p.m., HUB Gallery Lounge. Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Sept. 21

Pass/Fail.

Board of Trustees meeting, Keller Bldg.

Friday, Sept. 22

Pass/Fail.

Board of Trustees meeting, Keller Bldg.

Sports: soccer, vs. Hartwick, 7 p.m., Jeffrey Field.

Artists Series, The Waverly Consort, *Le Roman de Fauvel*, 8:30 p.m., Schwab.

Saturday, Sept. 23

Hort Show, 10 a.m.-9 p.m., Tent near Park Ave. and Shortridge Rd.

Sports: football, vs. Southern Methodist University, 1:30 p.m., Beaver Stadium.

France-Cinema, *Black and White in Color*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 24

Hort Show, 9 a.m.-4 p.m., Tent near Park Ave. and Shortridge Rd.

University Chapel service, Ned Weiler, United Ministries, 11 a.m., Eisenhower Chapel.

Sports: women's cross country, Lady Lion Invitational; baseball, vs. Mansfield (2), 1 p.m., Beaver Field.

Week of Sept. 25

Monday, Sept. 25

Drop deadline.

Preregistration deadline for winter term.

Pass/Fail.

Course repeat deadline.

Intramural sports: men's volleyball, handball singles, entry open. Entry close, noon.

Thursday, Sept. 28, IM Office.

France-Cinema, *Black and White in Color*, 7 and 9 p.m., Room 112 Kern.

Raymond Brown, bass-baritone, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Sept. 26

Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.

English Colloquium, Howard Moss, poet and poetry editor of *The New Yorker*, reads his own poetry, 8 p.m., Room 112 Kern.



Wednesday, Sept. 27

Black Cultural Center Lecture, Muriel Feelings, lecturer and writer of children's literature, on "Afro-American and Third-World Literature for Children," 2 p.m. and 8 p.m., Walnut Bldg. Conference Room.

Commonsplace Theatre, *The Front*, 7 and 9 p.m., Room 112 Kern.

Faculty Women's Club Fall Reception, 7:30-9:30 p.m., Kern.

Friday, Sept. 29

Sports: soccer, vs. West Virginia, 7 p.m., Jeffrey Field.

Artists Series, Les Ballets Trockadero de Monte Carlo, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 30

All-University Day. Last date for Nov. graduates to deliver doctoral theses to committee.

Sports: football, vs. Texas Christian University, 1:30 p.m., Beaver Stadium.

France-Cinema, *Padre Padrone*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Les Ballets Trockadero de Monte Carlo, performance for a young audience, 2 p.m., Eisenhower Auditorium.

Sunday, Oct. 1

University Chapel service, Charles Lupton, Office of Gifts and Endowments, 11 a.m., Music Bldg. Recital Hall.

Artists Series, Les Ballets Trockadero de Monte Carlo, performance for a young audience, 2 p.m., Eisenhower Auditorium.

Week of Oct. 2

Monday, Oct. 2

France-Cinema, *Padre Padrone*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. San Francisco, 7 p.m., Jeffrey Field.

Tuesday, Oct. 3

Fixed date for meetings involving Commonwealth Campus faculty.

Commonwealth Campus Caucus, 1 p.m., Room 106 Chambers.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: field hockey, vs. Bucknell, 3 p.m., Lady Lion Field.

Artists Series film, Robert Wise and Jerome Robbins, 1961, *West Side Story*, 8 p.m., Eisenhower Auditorium.

Wednesday, Oct. 4

Commonsplace Theatre, *Flight of the Phoenix*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. Rhode Island, 7 p.m., Jeffrey Field.

University Theatre, *Waiting for Godot*, student preview, 8 p.m., The Pavilion Theatre.

Thursday, Oct. 5

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Friday, Oct. 6

Fixed date for meetings involving Commonwealth Campus faculty.

Sports: women's golf, EAAIW championships. University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Artists Series, Joan Lippincott, organist, 8:30 p.m., Music Bldg. Recital Hall.



Saturday, Oct. 7

Fixed date for meetings involving Commonwealth Campus faculty.
Last date for final oral doctoral examinations for
New graduates.

Last date for Nov. graduates to deliver master's theses or papers to adviser.
Sports: women's golf. EALAW championships: women's cross country, vs., Ohio State: field hockey, vs. Rutgers, 2 p.m., Lady Lion Field. France-Cinema, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Sunday, Oct. 8

University Chapel service, Quentin Schaut, O.S.B., Catholic Center, 11 a.m., Eisenhower Chapel.

Week of Oct. 9

Monday, Oct. 9

France-Cinema, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 10

Gallery Talk, Esther Sparks, The Art Institute of Chicago, on "The Artist as a Mirror of American Society," 10:30 p.m., Museum of Art.
Sports: soccer, vs. Bucknell, 7 p.m., Jeffrey Field.
English Colloquium, James Smith, English, on "Golden Memories and Other Disasters: Humor, Cultural History and Jean Shepherd," 8 p.m., Room 101 Kern.
University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Wednesday, Oct. 11

Sigma Delta Epsilon luncheon meeting, Elaine Kunze, graduate student in biochemistry, on "Experimental Uses of Rat Heart Cells," noon, Room 101-A Kern.
France-Cinema, *Overcoat*, 7 and 9 p.m., Room 112 Kern.
Artists Series film, Jean Cocteau, 1946, *Beauty and the Beast*, 8 p.m., Eisenhower Auditorium.

Sports: women's volleyball, vs. Clanton, 8 p.m., University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Thursday, Oct. 12

Sports: baseball, vs. Shippensburg (2), 2 p.m., Beaver Field.
France-Cinema, *One Sings, the Other Doesn't*, 7 and 9 p.m., Room 112 Kern.
Penn State Dames meeting, 8 p.m., Room 101 Kern.
University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Friday, Oct. 13

Sports: women's volleyball, Penn State Invitational; women's tennis, vs. Pittsburgh, 6 p.m., Nittany Courts.
France-Cinema, *One Sings, the Other Doesn't*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.
Artists Series, The Manhattan Savoyards, Gilbert and Sullivan, *Patience*, 8:30 p.m., Eisenhower Auditorium.

Saturday, October 14

Sports: women's volleyball, Penn State Invitational; women's cross country, Penn State Open, women's cross country, vs. Michigan State, baseball, vs. St. Francis, Pa. (2), 1 p.m., Beaver Field; women's tennis, vs. William & Mary, 1 p.m., Nittany Courts.
Commonplace Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Sunday, Oct. 15

University Chapel service, Joseph Barndt, clergyman and race relations consultant, New York City, 11 a.m., Eisenhower Chapel.
Sports: women's tennis, vs. Pennsylvania, 1 p.m., Nittany Courts.
Black Cultural Center workshop, "Human and Inter-Group Relations," with Joseph Barndt and others, 7 p.m., Eisenhower Chapel.
Commonplace Theatre, *Three Women*, 7 and 9 p.m., Room 102 Kern.

Week of Oct. 16

Monday, Oct. 16

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Oct. 17

Sports: soccer, vs. East Stroudsburg, 7 p.m., Jeffrey Field.

Archaeological Institute of America Lecture, Robert Bergman, Fogg Art Museum, Harvard University, on "Amalfi: The Medieval City and Its Monuments," 8 p.m., Room 301 HUB.

Wednesday, Oct. 18

Faculty Women's Club Lecture, Shirley P. Wheeler, author, on "Dr. Nina and the Panther," Carol Sams, of State College, her sister, will also take part in the program, 1:15 p.m., Eisenhower Chapel Memorial Lounge.
Commonplace Theatre, *Public Enemy*, 7 and 9 p.m., Room 112 Kern.

Afro-American Studies Forum Lecture, Julian Mayfield, writer in residence, Howard University, on "The Fusion of Afro-American and Negritude Literature," 7:30 p.m., Room 101 Kern.

Thursday, Oct. 19

Sports: baseball, vs. Indiana, Pa. (2), 2 p.m., Beaver Field; field hockey, vs. Slippery Rock, 3 p.m., Lady Lion Field.
Department of Materials Science and Engineering 1978 Nelson W. Taylor Lecture, Edward Teller, emeritus associate director of Lawrence Livermore Lab and emeritus professor, University of California, on "The Managed Energy Shortage," 3:50 p.m., Room 26 Mineral Sciences Bldg.

Friday, Oct. 20

Sports: J.V. football, vs. Rutgers, 2 p.m., Intramural Field.
Nelson W. Taylor Lecture, Edward Teller, Lawrence Livermore Lab and University of California, on "Progress in Controlled Fusion," 3:50 p.m., Room 117 Osmond.
Student Alumni Reception, 5-7 p.m., HUB North Lounge.
Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 21

Sports: football, vs. Syracuse (Homecoming), 1:30 p.m., Beaver Stadium.
Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 22

University Chapel service, Luther Harshbarger, humanities and religious studies, 11 a.m., Music Bldg, Recital Hall.
Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.
Gallery Talk, Dr. Ralph C. Marcoe, New York City art collector, on "Oriental Art," 4 p.m., Museum of Art.

Week of Oct. 23

Monday, Oct. 23

First day for signing winter term NDSE and University Long Term Loans, Room 108 Shields.

Last date for Nov. graduates to deliver theses to Graduate School Office.

Last date for Departments to certify to Graduate School completion of required papers for Nov. graduates.

Last date for Nov. graduates to order cap, gown and hood locally.

Sigma Delta Epsilon luncheon meeting, Thomas F. Massaro, nutrition, on "Malnutrition in the Neonatal Environment: Behavior Consequences," noon, Room 101-A Kern.
France-Cinema, *L'Atlantide* and *La Soufriere*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 24

Artists Series film, William S. Seiter, 1935, *Roberta*, 8 p.m., Eisenhower Auditorium.
English Colloquium, Rodelle Weintraub, English, on "Shaw's Celibate Marriage: Its Impact on His Plays," 8 p.m., Room 101 Kern.

Wednesday, Oct. 25

Commonplace Theatre, *Charly*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Our Town*, student preview, 8 p.m., The Playhouse.

Thursday, Oct. 26

Sports: field hockey, vs. West Chester, 2 p.m., Lady Lion Field.
University Theatre, Thornton Wilder, *Our Town*, 8 p.m., The Playhouse.

Friday, Oct. 27

Sports: J.V. football, vs. Wesley Junior College, 2 p.m., Intramural Field.
France-Cinema, *L'Atlantide* and *La Soufriere*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Our Town*, 8 p.m., The Playhouse.
Artists Series, Virtuosi di Roma, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 28

Sports: field hockey, vs. Ursinus, 2 p.m., Lady Lion Field.

France-Cinema, *Stolen Kisses*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Our Town*, 8 p.m., The Playhouse.

Sunday, Oct. 29

University Chapel service, Bruce Fisher, St. Paul's United Methodist Church, State College, 11 a.m., Eisenhower Chapel.
Sports: soccer, vs. Shippensburg, 2 p.m., Jeffrey Field.

Week of Oct. 30

Monday, Oct. 30

Last drop deadline.
Last day for signing fall term NDSE and University Long Term Loans, Room 108 Shields.
France-Cinema, *Stolen Kisses*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 31

Fixed date for meetings involving Commonwealth Campus faculty.
Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom.
Commonwealth Campus Caucus, 1 p.m., Room 106 Chambers.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Wednesday, Nov. 1

Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom.
Commonplace Theatre, *Straw Dogs*, 7 and 9 p.m., Room 112 Kern.
Sports: women's volleyball, vs. Mansfield, 7 p.m., vs. Bucknell, 8 p.m.
Artists Series film, George Kuchar, 1936, *Camille*, 8 p.m., Eisenhower Auditorium.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Thursday, Nov. 2

Chemerda Lectures. Introductory remarks by President Oswald and Professor Chemerda.
Wylie Vale, Salk Institute for Biological Studies, on "Neuropeptides," 2 p.m.;
Edward Purcell, Harvard University, on "Physics of the Bacterial Environment," and Julius Axelrod, National Institutes of Health, on "Catecholamine Neurotransmitters," 7:30 p.m. (time tentative), Room 117 Osmond.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Friday, Nov. 3

Sports: J.V. football, vs. Milford Academy, 2 p.m., Intramural Field.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Saturday, Nov. 4

Sports: football, vs. Maryland, 1:30 p.m., Beaver Stadium.
France-Cinema, *Heart of Glass*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Sunday, Nov. 5

University Chapel service, Dan Davis, religious studies, 11 a.m., Eisenhower Chapel.
Sports: men's cross country, Middle Atlantic AAU championships and Open Meet.

Week of Nov. 6

Monday, Nov. 6

France-Cinema, *Heart of Glass*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Nov. 7

Artists Series film, Ernst Lubitsch, 1934, *They Merry Widow*, 8 p.m., Schwab.

Wednesday, Nov. 8

Sigma Delta Epsilon luncheon meeting, Nava Setter, graduate student in solid state science, on "Modifications of Portland Cement due to Modern Engineering Problems," noon, Room 101-A Kern.

Sports: women's volleyball, vs. Indiana, Pa., 6 p.m.
Commonplace Theatre, *The Loved One*, 7 and 9 p.m., Room 112 Kern.
Artists Series, Tashi, clarinet and string quartet, 8:30 p.m., Schwab.

Thursday, Nov. 9

Board of Trustees meeting, Keller Bldg.
Musical drama, "Movin' On Up—A Journey in Blackness," 8 p.m., Schwab.
Penn State Dames meeting, 8 p.m., Room 101 Kern.

Friday, Nov. 10

Board of Trustees meeting, Keller Bldg.
Sports: J.V. football, vs. Indiana, Pa., 2 p.m., Intramural Field.

France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. Akron, 7 p.m., Jeffrey Field.

Saturday, Nov. 11

Last date for submitting petition to Records Officer to graduate in absentia in Nov.
Sports: football, vs. North Carolina State, 1:30 p.m., Beaver Stadium.
France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.

Sunday, Nov. 12

University Chapel service, Dennis Hall, Lutheran Parish, 11 a.m., Eisenhower Chapel.
France-Cinema, *Shoot the Piano Player*, 7 and 9 p.m., Room 112 Kern.

Week of Nov. 13

Monday, Nov. 13

Last day for signing fall term Emergency Loans, Room 108 Shields.
France-Cinema, *Shoot the Piano Player*, 7 and 9 p.m., Room 112 Kern.
Fall term classes end, 9:55 p.m.

Tuesday, Nov. 14

Final examinations.

Wednesday, Nov. 15

Final Examinations.

Thursday, Nov. 16

Final examinations.

Friday, Nov. 17

Final examinations.
Faculty Women's Club Luncheon Lecture, Representative Helen D. Wise on "Women in the Political World," noon, Nittany Lion Inn.

Saturday, Nov. 18

Final examinations (until noon).

Week of Nov. 20

Monday, Nov. 20

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Nov. 21

Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 23

Thanksgiving Day, offices closed.

Saturday, Nov. 25

Sports: football, vs. Pittsburgh, 1:30 p.m., Beaver Stadium.

Sunday, Nov. 26

Commencement, 1:30 p.m., Recreation Bldg.

Exhibits

HUB Gallery

Renascence Gallery exhibit, through Sept. 30.
Central Pa. Guild of Craftsmen exhibit, Oct. 1-28.
Homecoming shows, Oct. 1-28.
Wendy Snesinger, photographs, Nov. 1-30.
Waskewich Gallery exhibit, Dec. 4-8.
International Holiday show, Dec. 1-31.

Kern Commons Gallery

Waskewich Gallery exhibit and sale, Sept. 5-8.
David Rubell, paintings, Sept. 9-30.
Barbara Garrison, prints and etchings, Sept. 9-30.

Woodcarver's Association, woodcarvings, Oct. 1-14.
"The Art of Boxing," paintings, prints and sculpture, Oct. 14-Nov. 4.
Jo Snigling, acrylics, Nov. 4-23.
Apteron Workshop, photographs, Nov. 4-23.

Museum of Art

Open noon-5 p.m. daily. Closed Mondays.
Tours on Sundays, 1:30 p.m.
"Singular Statements: Selected by Paul Shanley," through Sept. 17.
John F. Kensett, drawings, through Oct. 22.
European paintings, drawings and sculpture from the permanent collection, Sept. 3-Nov. 19.

Oriental works of art from the permanent collection, Sept. 24-Nov. 12.

"The Song of Roland," Oct. 1-Nov. 12.

Robeson Cultural Center

Liani Foster, paintings, sculpture and fabric designs, Sept. 8-30.
Tom McKinney, paintings, Oct. 14-Nov. 10.

Zoller Gallery

Open weekdays 8 a.m.-5 p.m., Saturdays and Sundays noon-5 p.m.
American Snapshots, photographs with a Capital P, photos from family albums, through Sept. 30.

Penn Staters



Leon E. Wiles, chairman of the Academic Support Services Department at Slippery Rock State College, has been appointed coordinator of the Developmental Year program at the University. He replaces Lancelot Braithwaite, who recently resigned.

Developmental Year is administered as a resident education program. Each year, it offers some 200 Educational Opportunity Program and disadvantaged veteran students individualized curriculum opportunities to correct previous scholastic deficiencies.

A graduate of Philander Smith College in Little Rock, Ark., Mr. Wiles earned his M.Ed. at the University of Pittsburgh and is presently working on a Ph.D. in counselor education.

While at Slippery Rock, he served on the executive board of the Equal Opportunity Program for the western region of Pennsylvania. He was also chairman of the College's Human Relations Committee.

Drs. Charlotte and Patrick Fischer, professors of computer science, recently shared a post as Visiting Erskine Fellows at the University of Canterbury, Christchurch, New Zealand. Each of the Fischers presented a series of six seminars and two public lectures. Charlotte Fischer, whose host was the Canterbury physics department, discussed Hartree-Fock calculations. Patrick Fischer, who was based in the computer science department, discussed theoretical computer science.

Shortly after returning to the University, Dr. Charlotte Fischer went to Riga, Latvia, USSR. She was an invited speaker and guest of the Latvian Academy of Sciences at the International Conference on Atomic Physics. Her talk was titled "The Multi-configuration Hartree-Fock Method for Atomic Energy Levels and Transition Probabilities."

Dr. Leon R. Kneebone, professor of botany and plant pathology, was awarded Honorary Life Membership in the Canadian Mushroom Growers' Association at their 24th annual conference held Aug. 13-15 in Toronto. Dr. Kneebone is only the fourth person to be honored in this fashion by the CMGA and the first non-Canadian. He was cited for his international leadership in mushroom research and education.

Virginius B. Thornton has been named coordinator of the Black Studies Program for the forthcoming academic year. Mr. Thornton is completing work on his doctorate in history and has served as the administrative assistant in the Black Studies Program during the past year. Before that, he was a member of the faculty at Virginia Commonwealth University, Grinnell College, SUNY at Oswego and Bowie State College. He has taught courses in United States history, Negro history, Western Civilization, Colonial America, American Studies, Afro-American Studies and the history of West Africa and South Africa.

As coordinator of the Black Studies Program, Mr. Thornton will serve as a principal advisor for students in the program and will assist the faculty

committees in the development and implementation of programs during the academic year. His office is located in Room 117 Old Main (865-0458).

Dr. S. V. Martorana, professor of higher education and research associate, Center for the Study of Higher Education, presented a paper at the 4th International Conference on Higher Education, held at the University of Lancaster, England, Aug. 28-Sept. 1. His topic was "Communitarian Developments in Selected Countries of the Western World."

Seminars

Tuesday, Sept. 12

Air Pollution Control, Robert E. Farrell, Standard Oil of Ohio, Cleveland, on "The Effect of Air Pollution Regulations on Industry," 2:20 p.m., Room 140 Fenske.

Chemical Engineering, Sidney Lang, Ben Gurion University, on "Pyroelectricity," 2:30 p.m., Room 145 Fenske.

Wednesday, Sept. 13

Plant Pathology, Nancy Fisher, graduate student, on "Pheromone Control, Crop Value as a Determining Factor in Control Decisions, as Exemplified by Wheat and Strawberries," 3:55 p.m., Room 112 Buckhout.

Thursday, Sept. 14

Ceramic Science, Dr. David B. Cerutti, Dolomite Brick Corp., on "Effect of Firing Atmospheres on Mg-Cr Refractories," 11 a.m., Room 301 Steidle.

Acoustics, M. E. McIntyre, math and theoretical physics, Cambridge University, on "The Acoustics of Stringed Musical Instruments," 3:50 p.m., Room 117 Osmond.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 465-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 15, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ART ASSISTANT — CONTINUING EDUCATION, University Park Responsible to the Art Specialist for the design and execution of art work as assigned, maintaining professional standards and creativity under degree and budgetary limitations. Bachelor's degree or equivalent, plus a minimum of one year of directly related experience. Employee must have experience as an artist in television and must understand set design and set construction. Experience with designing, laying out and the mechanics for printed pieces (poster, flyers, letterheads, etc.) is also necessary.

CLASSIFICATION ANALYST — OFFICE OF PERSONNEL ADMINISTRATION, University Park Responsible for assisting in the implementation of wage and salary plans of the University. Gather information for the review of existing positions or the evaluation of new positions. Write job descriptions based on the compiled data. Assist in conducting research, surveys and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of one to two years of directly related experience.

PUBLIC INFORMATION SPECIALIST, Wilkes-Barre Responsible for the development, implementation and coordination of an effective public information program to enhance the image of the Wilkes-Barre Campus in the service area, with an emphasis on building improved community relations. Responsible for communicating public sentiment as it concerns the Campus to the administrative offices so that it can be reflected in Campus policy. Bachelor's degree in journalism, advertising, communications or related fields or equivalent study or training, plus over one year up to and including two years of directly related experience.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC AFFAIRS, Wilkes-Barre Responsible for the scheduling and registration of students and procedures at the Wilkes-Barre Campus, for liaison with the Registrar's Office at University Park, and for coordination of support facilities for academic advising and grant-proposal writing. Bachelor's degree in liberal arts, business, educational or general administration, or equivalent study or training, with coursework in accounting and statistics, plus over one year, up to and including two years of directly related administrative experience.

News in Brief

(Continued from page 1)



Today is the last day to buy tickets to the Music Series' 1978-79 season. Emanuel opens the Artists Series-sponsored programs at 8:30 p.m. Wednesday, Sept. 13, in Eisenhower. Winner of the 1974 Rubinstein International Competition, Mr. Ax will play Haydn's Sonata in C Major, Hob. XVI/48, Ravel's "Valses nobles et sentimentales," Beethoven's Sonata in E flat Major, Op. 81A, "Les Adieux," and three works by Liszt. Music Series subscriptions are on sale at Pine Cottage.

Art classes offered

The Division of Art and Music will offer 14 Saturday morning art classes for teenagers, younger children and their parents, beginning Sept. 16.

A course for children ages five and six will be called "Creative Art for the Young." Six- and seven-year-olds can experiment with arts and crafts and drawing and painting.

For the intermediates, ages eight to 12, there are four courses — arts in action, arts and crafts, exploring sculpture and drawing and painting.

Teenage studio workshops include photography, jewelry-making, pottery, weaving, drawing and painting.

Parents of children enrolled in the program may register for an adult art awareness workshop. No prior experience in art is required.

Inquiries and registration on a first-come, first-served basis for the Art School Program may be made by telephoning 865-5601 or going in person to Room 270 Chambers Bldg. from 1 to 5 p.m. weekdays.

WPSX Highlights

The development of modern dance from the turn of the century to the 1930s is reviewed on "Trailblazers of Modern Dance," Saturday, Sept. 9, at 8 p.m. on Great Performances. The program uses specially choreographed recreations of famous works, vintage film of Isadora Duncan, and hand-painted films by Thomas Edison which recorded early dancers.

American composer Charles Ives is remembered through reminiscences and personal writings, Saturday, Sept. 9, at 9 p.m. on A Good Dissonance Like a Man.

A mini-festival of Ingmar Bergman films begins Sunday, Sept. 10, at 2 p.m. on PBS Movie Theater with *The Magician*. The 1958 motion picture stars Max von Sydow. Other Bergman films in the series include: *Port of Call* (Sept. 17), *Virgin Spring* (Sept. 24), and *Wild Strawberries* (Oct. 1).

Zubin Mehta conducts the Los Angeles Philharmonic in a special performance recorded in 1977 on *The Los Angeles Philharmonic at the Hollywood Bowl*, Tuesday, Sept. 12, at 9 p.m.

Sherill Milnes, Plácido Domingo, and Raina Kabaivanska star in Puccini's tragic opera *Tosca*. The performance is featured Wednesday, Sept. 13, at 8 p.m. on Great Performances.

Snapshots on display

The snapshooter, the occasional photographer, contributed the works selected for the Zoller Gallery's opening show, "American Snapshots: Photographs with a Capital P from Family Albums."

The show, which will be on exhibit through Sept. 30, is based on a book, *American Snapshots*, compiled by Kenneth Graves, instructor in art, and the late Mitchell Payne.

The two men collected the photographs from their own families and by knocking on doors in the San Francisco area and urging householders to share their family pictures. The pictures come from throughout the country, having been carried westward with migrating families.

"Professional photographers tend to be observers, at times distant and removed from what they are photographing," Mr. Graves explains. "But the people in snapshots are always clearly identified and treated personally. The snapshooter is looking from inside the event."

Airport

(Continued from page 1)

taxiway, which is closer to the airport buildings, to serve the terminal area. It also will provide needed space during fall football weekends when airplanes are parked wingtip to wingtip at the airport.

The newly extended taxiway parallels the airport's longest runway, which has been paved with a special grooved surface the length of its 5,000 feet. The grooving is to prevent planes from hydroplaning across the surface under storm conditions.

A second smaller crosswind runway is available. Its 2,350 foot length is too short, however, to accommodate the commuter planes.

Although the new fencing currently only protects the airport on its Fox Hollow Road side, Mr. Shilke is hopeful that eventually the entire airport can be fenced in. Fortunately, University Park does not have the problem, which is endemic at Midstate, of deer wandering across the runways.

Construction at the airport was slowed during the summer because of bad weather and delays resulting from the Teamsters' strike.

"Everything should have been ready by now," Mr. Shilke says, "but when we are finished — and I think that will be next month — we're going to have one of the most viable, useful small airports in the State."

The experiences of a 37-year-old accountant who lost almost 150 pounds through a supervised seven-month starvation treatment are documented on A Matter of Fat, Thursday, Sept. 14, at 8:30 p.m. The program follows Lorrain, who weighed 388 pounds when he began his treatment, through his hospital stay and at various stages of weight loss. Immediately following the broadcast of this special, at 10:10 p.m., Channel 3 presents Fat Chance!, Penn State Television's half-hour special designed to show viewers how to control their weight by altering their eating habits. The program is part of a noncredit course on *The Pennsylvania State University of the Air*. For more information, contact Independent Study by Correspondence, Room 3 Shields Bldg.

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Penn State Intercom

News in Brief

President recuperating

President John W. Oswald is recuperating from a surgical procedure to repair a detached retina in his right eye. Dr. Oswald came through surgery in good shape.

The procedure was performed at The Milton S. Hershey Medical Center on Monday, Sept. 11. President Oswald will recuperate at Hershey and at his home. It is too early to tell how long the recovery period will be.

Provost Edward D. Eddy has assumed the President's duties in his absence.

Heat will be turned on about Sept. 25

Based on a study of temperature history, the Executive Energy Conservation Committee at the University has established approximate dates for turning off air conditioning and turning on heating systems at University Park this fall.

In residence halls, including Ritenour

Reminder

Faculty still have a chance to present their views on faculty participation in governance at the two remaining hearings to be conducted by a Joint Senate-Administrative Select Committee.

There will be a hearing for faculty from the western Campuses at New Kensington from 3 to 5 p.m. on Monday, Sept. 18. The final hearing will be held in Kern Graduate Bldg. at University Park from 3 to 5 p.m. on Tuesday, Sept. 19.

Health Center, the heat will be turned on, as necessary, within the next few days. In academic and administrative buildings, comfort air chillers are already being turned off, and heat will be available beginning on or about Sept. 25.

Chillers in research areas will be turned off on Sept. 21 or a few days earlier or later than that, depending on need. In the Computation Center and Shields computer areas, the approximate turn-off date for chillers is Oct. 17.

According to Ralph E. Zilly, chairman of the committee, some problems are expected with heating systems that haven't been used for three months, and students, faculty and staff members are urged to be patient. Since some buildings may be cool during the next few weeks, people working on campus may want to be prepared with a sweater or jacket, Mr. Zilly added.

Germaine Bree, Checklands to visit

Two prominent scholars will visit the University as guests of the Institute for the Arts and Humanistic Studies this week.

Germaine Bree, formerly at the University of Wisconsin and now Kenan Professor at Wake Forest University, will be in residence for a week beginning today (Sept. 14). Sydney Checkland, of the University of Glasgow, will begin a one-week residency on Monday, Sept. 18.

Prof. Bree, a former president of the Modern Language Association, is widely known for her books on contemporary French writers. She will present a public lecture at 8 p.m. on Friday, Sept. 15, at the HUB Assembly Hall on the topic, "The

Problematic Art of Autobiography in Contemporary France."

She will also speak at the Comparative Literature Luncheon on Tuesday, Sept. 19, at the Hotel State College. The luncheon will begin at 12:15 p.m. and Prof. Bree will speak at 1 p.m. Her topic will be "Brief Remarks on the Contrast between French and American Freudian Criticism."

Prof. Checkland, a former president of the International Society of Economic Historians, is an authority on the history of banking, the industrial revolution and the history of early mining in Europe.

He will address the History Colloquium at 3 p.m. on Thursday, Sept. 21, in Room 124 Sparks Bldg. His topic will be "The Problem of the Victorian Poor."

Prof. Checkland will also speak in three economics classes on these subjects: "The Scotland of Adam Smith," 9:30 a.m., Monday, Sept. 18, Room 113 Sackett Bldg.; "English Poor Laws," 3 p.m., Tuesday, Sept. 19, Room 162 Willard Bldg.; and "Marx and History," 9:30 a.m., Wednesday, Sept. 20, Room 113 Sackett Bldg.

Prof. Checkland will be accompanied by his wife, Olive, also a lecturer in economic history. Mrs. Checkland will talk on "Health Care in Victorian Scotland" at 3:55 p.m. on Monday, Sept. 18, in Room S-209 Henderson.

Conference to mark Roncevaux anniversary

To commemorate the 1200th anniversary of the battle that prompted one of the great masterpieces of Western literature, American and Canadian scholars will gather at the University Oct. 5-7. The occasion will be a conference devoted to the study of the Battle of Roncevaux, and the Romance epic for which it became the basis, *The Song of Roland*.

According to conference chairman Gerard J. Brault, professor of French and a Fellow of the Institute for the Arts and Humanistic Studies, 12 papers will be presented, all dealing in some way with the poem. Sponsored by the Institute, the conference is being organized by the American and Canadian members of the

Society Rencesvals, a society of academicians with particular interest in the early epics.

All events will take place in Keller Bldg. and there will be an exhibit to complement the program in the Rare Books Room at Pattee Library. For information about the program or about registering for it, contact the Institute, Dr. Brault, or the conference coordinator, Norman Lathbury.

TIAA contribution rate

On behalf of each faculty or staff member who belongs to the Teacher's Insurance and Annuity Association (TIAA) retirement program, the University makes a contribution which by law is determined each year by the State Employees' Retirement Board based on an actuarial evaluation.

From July 1, 1975, through June 30, 1978, the amount of the University's contribution has been 6.64 percent of salary. That amount was increased beginning July 1, 1978, to 7.65 percent of salary.

Meats Lab opens Sept. 15

Retail sales will resume at the Meats Lab, located across from the east side of Beaver Stadium, on Friday, Sept. 15. The meat is from the University's herds and is slaughtered and cut by students in animal industry classes.

The store carries all the retail cuts of beef, pork and lamb, including steaks, chops, hamburger and sausages, at prices competitive with those in the area. Hours are from 1:30 to 4 p.m. on Fridays, and the store is only open during the academic term. Customers draw a number before shopping, and those with the lowest numbers are waited on first.

Stocking stuffer

For those who like to do their Christmas shopping well in advance — or would like to treat themselves — the Museum of Art store has received a shipment of Metropolitan Museum of Art Engagement Calendars for 1979. This year's theme is "Treasures of Far Eastern Art."



Beaver Campus's Broadhead Cultural Center was the scene of a two-day arts festival Sept. 2-3. Featuring crafts, crafts demonstrations, and ethnic food booths, the festival offered its 7,000 visitors the chance to enjoy dancing, theatre and music in Broadhead's amphitheatre and to visit the Baker-Dungan Museum located in the upper level of the center. This is the second arts festival Beaver has hosted.

Six changes in PS-23 approved



Six changes in PS-23 recommended by the University Faculty Senate have been approved and implemented, President Oswald told Senators at their Sept. 7 meeting.

A seventh suggested change has been interpreted as already permissible, and two others were "deemed sufficiently unclear or complex to warrant further study by the Joint Tenure Commission."

Dr. Oswald described these actions in a letter to Senate Chairman Lee W. Saperstein, the text of which appears on page 2.

The changes which have been implemented include:

— The existing procedures for the dismissal of tenured faculty for adequate cause now also apply to tenure-eligible faculty who receive less than the established standards of notice.

— An addition to the general criteria for promotion and tenure states that promotion "shall be based on recognized performance and achievement . . ." and tenure on "the long run potential for future advancement . . . as indicated by performance during the provisional period."

— Reviews of tenure-eligible faculty will be conducted at the end of their second, fourth and sixth years, with an option for an additional review at the end of the fifth year. This provision will apply to new faculty. Present faculty will continue on a three, five and six year timetable.

— Faculty may apply three years of professional service at Penn State or other institutions toward tenure. Previously, they were permitted to credit four years of service.

— The reasons for negative tenure decisions will be given informally to faculty requesting them by the appropriate administrator.

— The administrative guidelines have been modified to specify prompt notification to a candidate for tenure whose case terminates with a negative recommendation at the College level.

Noting that department chairmen already have the authority to inform faculty of departmental recommendations during the course of the sixth year review, President Oswald rejected a proposal to add a statement to this effect to the guidelines.

Two recommendations of the Senate regarding PS-23 have been referred to the Joint Faculty/Administrative Commission on Promotion and Tenure, Dr. Oswald continued.

The first, requiring consultation among review levels arriving at different recommendations on tenure, presented "procedural complexities," the President explained, adding that "the policy might encourage a kind of negotiation among review levels rather than independent decisions."

He also recommended further study of the second proposal, which asked that in the case of a negative sixth-year tenure recommendation by a dean, when all previous recommendations were positive, the case be sent up to the University level for review.

The President announced the

(Continued on page 4)

Editor's note: Following is the complete text of the letter sent by President Oswald on Sept. 6 to Dr. Lee W. Saperstein, chairman of the University Faculty Senate.

One year ago I spoke to the University Faculty Senate concerning our first two years of experience with PS-23. At that time I indicated that a fundamental review of this important policy would be undertaken by a Joint Presidential-Senate Commission on Tenure, and then Chairman Tom Daubert and I proceeded to appoint the Joint Commission. I understand that the Commission, under the leadership of Dean Bartoo, has begun its work. It is scheduled to complete its task roughly one year from now.

I also described to the Senate a few less encompassing issues that appeared to need more immediate attention, and, as you are aware, recommendations on these or some not raised by me were discussed and recommendations were made thereon during the past academic year. I would like to thank the Faculty Affairs Committee, and also the Senate itself, for the serious and close attention which was given to these issues.

As you know, Senate considerations of faculty appointment and tenure policies come to the President in the form of recommended changes in PS-23. During the past academic year, I would like to thank the Faculty Affairs Committee, and also the Senate itself, for the serious and close attention which was given to these issues.

A recommendation was made by the Senate for a change in Section IV, General Provisions, Sub-section II of PS-23 Passed by the Senate on February 12, 1978.

A tenured faculty member may be dismissed for adequate cause (see Section IV 10). SIMILARLY, WHEN ADEQUATE CAUSE EXISTS, A TENURE-ELIGIBLE FACULTY MEMBER MAY BE TERMINATED WITHOUT ADHERENCE TO THE STANDARDS OF NOTICE SPECIFIED IN SECTION IV 9.

This recommendation states that the existing procedures for the dismissal of tenured faculty members for adequate cause also apply to tenure-eligible faculty members who receive less than the established standards of notice. It simply makes explicit what is already implicit in the present policy. I approve the recommendation and it will be reflected in the revised PS-23.

II. A set of seven proposals was recommended by the Faculty Affairs Committee on March 14, 1978 and was passed subsequently with modifications by the Senate at various meetings.

1. An addition (and deletion) in the sixth paragraph of the Preamble -- ACADEMIC PRINCIPLES.

Where the findings of the various groups differ, there is an implicit responsibility AS SPECIFIED IN SECTION III BELOW to explore the reasons for divergence. In this way administrators and faculty can sustain vigorous and responsible participation, and standards of excellence and quality can be maintained.

I will withhold comment on this proposal since it is really part of recommendation three below.

2. An addition to Section II, Criteria for Promotion and Tenure -- GENERAL CRITERIA. The following paragraph would come after point 4.

TENURE AND PROMOTION DECISIONS ARE SEPARATE DECISIONS, ALTHOUGH BOTH THESE GENERAL CRITERIA APPLY TO BOTH PROMOTION AND TENURE. PROMOTION SHALL BE BASED ON RECOGNIZED PERFORMANCE AND ACHIEVEMENT IN EACH OF THE SEVERAL AREAS, WEIGHTED AS APPROPRIATE TO THE PARTICULAR RESPONSIBILITIES ASSIGNED TO THE FACULTY MEMBER. TENURE SHALL BE BASED ON THE LONG RUN POTENTIAL FOR FUTURE ADVANCEMENT IN THE SEVERAL DIRECTIONS ENLIGHTENED ABOVE AS INDICATED BY PERFORMANCE DURING THE PROVISIONAL PERIOD, WEIGHTED AS APPROPRIATE TO EACH APPOINTMENT (SEE ALSO SECTION IV, 5.)

Please note that I have added a clarification (note phrase in boldface added by me) to the recommendation, but have not, I believe, changed its basic meaning in any way. The

Text of President's letter to Senate on PS-23

addition emphasizes that an individual's promise cannot be assessed without clear reference to past achievements and performance. This is approved as modified and will be included in the revised PS-23.

3. Additions (and deletions) in Section III, Review and Procedures, paragraph two, GENERAL PROCEDURE. Consultation among review levels by committees and academic administrators should take place when there is a need to clarify differences that arise during the review process.

WHENEVER ONE REVIEW LEVEL REACHES AN INITIAL DECISION WHICH DIVERGES FROM A TENURE RECOMMENDATION IT HAS RECEIVED, AN EFFORT SHALL BE MADE TO CLARIFY THE REASONS FOR THE DIVERGENCE. CONSULTATIONS FOR THIS PURPOSE SHALL BE CONDUCTED BY REPRESENTATIVES OF THE REVIEWING LEVELS CONCERNED. REVIEWS SHALL BE CARRIED OUT, THEREFORE, SO AS TO ASSURE THAT DIVERGENCES IN FINAL TENURE RECOMMENDATIONS BETWEEN LEVELS WILL REFLECT GENUINE DIFFERENCES IN EVALUATION RATHER THAN MISUNDERSTANDING OF THE RECORD (SEE ALSO SECTION IV, 5, PARAGRAPH 3.)

I have given this recommendation concerning required consultation among review levels very careful study. In fact, based on my initial intention to include it, I began to develop a set of guidelines for its implementation. In the process of doing so, I discovered all sorts of procedural complexities. Serious problems arise immediately in trying to define representation, the initiation of contact between levels, time limits, forms of consultation, and similar logistical questions related to the geographical dispersion of the University. In sum, an already complex policy would have to become yet more complicated and burdensome.

In addition, there are substantive questions that need further investigation. It appears that the policy might encourage a kind of negotiation among review levels rather than independent decisions. Further, the current language of the policy and our present practices already provide, in the judgment of many, appropriate and useful safeguards.

Based on these considerations, I have decided to refer this proposal to the Joint Tenure Commission for further study as it makes the basic review of PS-23.

4. An addition to III, Review Procedures, in the paragraph on FREQUENCY OF REVIEWS.

Prior to formal consideration of a faculty member for tenure and promotion, evaluations should be conducted by the initial review committees. IN THE CASE OF TENURE THESE REVIEWS SHALL BE CONDUCTED IN THE SECOND YEAR AND NO LESS OFTEN THAN BIENNIALY. THEREAFTER, NORMALLY TENURE REVIEWS WILL BE CONDUCTED IN THE SECOND AND FOURTH YEARS OF THE PROVISIONAL APPOINTMENT PERIOD. IN CASES WHERE A FACULTY MEMBER RECEIVES A NEGATIVE FOURTH YEAR REVIEW BUT WITHOUT NOTICE OF TERMINATION, AND IN OTHER CASES WHERE IT IS DEEMED ADVISABLE, A SPECIAL FIFTH YEAR TENURE REVIEW MAY BE REQUESTED BY THE FACULTY MEMBER, THE DEPARTMENT HEAD, CAMPUS DIRECTOR, OR DEAN OF THE COLLEGE OR UNIVERSITY LIBRARIES. A TENURE REVIEW SHALL TAKE PLACE IN EVERY INSTANCE DURING THE SIXTH YEAR PERIOD.

I have approved this recommendation concerning the change in the tenure review schedule and it will be included in revised PS-23. Also the new PS-23 Guidelines will require that we phase in the new procedure gradually.

Present faculty members will continue on the three, five, six, timetable, while new faculty members will be subject to the two, four, six schedule.

5. An addition to IV, General Provisions, ACADEMIC APPOINTMENTS NOT SUBJECT TO TENURE, item 4. Each Standing appointment of an

eligible person to the full-time regular rank of professor, associate professor, assistant professor, senior research associate, research associate, librarian, associate librarian and senior assistant librarian shall be provisional, as defined in Section IV 5, until notification in writing of change of status is sent to the appointee by the appropriate academic officer of the University. For a faculty member on a Standing appointment who is serving on a provisional basis, such notification shall be made prior to the expiration of the sixth year, and shall indicate that the faculty member at the expiration of the provisional period shall either have permanent tenure or be terminated. IN THE CASE OF THE SIXTH YEAR REVIEW, AT THEIR DISCRETION, MAY INFORM FACULTY MEMBERS DURING THE DEPARTMENTAL RECOMMENDATIONS OF THE COURSE OF THE SIXTH YEAR REVIEW. THEY SHALL EMPHASIZE THAT NO DECISIONS REACHED ARE EITHER FINAL OR OFFICIAL UNTIL THE REVIEW PROCESS HAS BEEN COMPLETED.

I do not believe this belongs in a policy statement. I further believe there is nothing in the present policy statement or guidelines which would prevent a department chairman from doing this.

6. Additions and changes in Section IV, General Provisions, PROVISIONAL OR PRE-TENURE PERIOD.

The provisional appointment period in the University shall be seven years. However, up to and including the equivalent of four THREE years of professional service at other accredited institutions of higher learning, or in an earlier appointment at The Pennsylvania State University, may be applied toward this seven year provisional period. CREDIT TOWARD TENURE FOR PREVIOUS SERVICE AT ANOTHER UNIVERSITY SHOULD BE GRANTED ONLY AFTER CAREFUL CONSIDERATION AND SHOULD ORDINARILY NOT EXCEED THREE YEARS. MORE YEARS OF CREDIT TOWARD TENURE MAY BE GRANTED IN EXTRAORDINARY CASES.

A faculty member who is . . . (No change in this paragraph) WITH REGARD TO PROMOTION, DECISIONS TO PROMOTE SHOULD BE BASED ON PERFORMANCE AND SCHOLARLY ACHIEVEMENT IN THE LIGHT OF THE GENERAL CRITERIA (SEE SECTION II) RATHER THAN BY TIME IN RANK.

I have approved this recommendation with a minor editorial change. The second new paragraph has been moved to follow the present first paragraph in sub-section five, and the word "ordinarily" has been eliminated as unnecessary in light of the next sentence. This new wording will be revised PS-23.

7. Additions and changes in IV, General Provisions, NOTICE OF NONREAPPOINTMENT AND TERMINATION, Section 9. Present Section 9, is to be designated A. -- DATES

with a new subsection, TRANSMITTAL OF NOTICE

A. DATES
Standards for notice of nonreappointment, etc. . . .
1) no change
2) no change
3)
B. TRANSMITTAL OF NOTICE IN CASE OF NEGATIVE DECISIONS AT THE UNIVERSITY LEVEL. THE PROVOST SHALL INFORM THE APPROPRIATE DEAN OR DEANS INFORMALLY REGARDING THE REASONS FOR THE NEGATIVE JUDGMENT. THESE REASONS SHALL, IF REQUESTED BY THE FACULTY MEMBER, BE CONVEYED TO HIM OR HER INFORMALLY BY THE APPROPRIATE DEAN OR DEPARTMENT CHAIRMAN IN CASES OF NEGATIVE RECOMMENDATIONS AT THE COLLEGE LEVEL. THE DEAN,

DEPARTMENT HEAD, OR CAMPUS DIRECTOR SHALL CONVEY THE REASONS TO THE FACULTY MEMBER INFORMALLY, IF REQUESTED TO DO SO BY THE FACULTY MEMBER.

THE OBJECTIVE FOR BOTH OF THESE PROCEDURES IS TO ASSURE THAT ULTIMATELY THE FACULTY MEMBER MAY BE INFORMED IN PRIVATE BY HIS DEAN AND/OR DEPARTMENT HEAD AS TO WHY TENURE WAS DENIED AND AT WHAT STAGE OF THE REVIEW PROCESS. LIKEWISE, THE RELEVANT COLLEGE, DEPARTMENT, AND CAMPUS REVIEW COMMITTEES SHALL BE INFORMED IN PRIVATE, IF THEY SO REQUEST, BY THE APPROPRIATE ADMINISTRATOR AS TO THE REASONS FOR TENURE DENIAL AND THE LEVEL OF TENURE DENIAL.

I have approved this important recommendation with regard to the giving of reasons informally for failure to award tenure. In doing so, I have dropped the word "President" from the first sentence, since there is no need for both the President and the Provost to be taking the same action. For the sake of consistency I also have added the word "informally" after "deans," also in the first sentence. In the next sentence the words "or her" should be added after "him." With these minor editorial changes this will be included in the Revised PS-23.

III. Two recommendations were passed by the Senate at the June 6 meeting. Neither of them include specific textual changes in PS-23, but request that PS-23, and the administrative guidelines be modified in accord with the proposals.

Recommendation 1
The Senate recommends that PS-23 and the administrative guidelines be modified to provide that a negative recommendation whose case terminates at the college level with a negative recommendation be notified promptly of this decision.

I have accepted this recommendation, and promptness of notice will be emphasized in the administrative guidelines for PS-23.

Recommendation 2
The Senate recommends that PS-23 and the administrative guidelines be modified to provide that a negative sixth year tenure recommendation by a dean shall not be a final decision if all previous recommendations (department committee, department head and college committee) are positive. Such cases shall be sent up to the University level for review. This recommendation would not apply to Commonwealth Campus faculty where recommendations are reviewed by the DAICC as well as the College dean.

As you may recall, the approach contained in this recommendation was thoroughly debated at the time PS-23 itself was being considered. I know of no reason at this time to change our present practice. I believe that the proposal has important implications concerning a dean's role and authority which merit very careful study. I am asking the Joint Tenure Commission to examine the proposal and the reasoning behind it.

In all, I believe that the Senate recommended nine changes in PS-23. Of these, six have been approved and implemented and one has been interpreted as already permissible. Two of them seem either to be sufficiently unclear or complex to warrant further study by the Joint Tenure Commission and have been referred to this body.

May I express again my sincere gratitude to the Senate and its Committee on Faculty Affairs for its careful deliberations on these questions which are central to the life of the University. I believe that our procedures have been improved to the benefit of both the individual and the institution.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

Sept. 14-24

Special Events

Thursday, Sept. 14

Late registration deadline.

Add deadline.

GSA football workshop. Fran Fisher on Football, 1:30-5 p.m., Room 112 Kern.

France-Cinema, *Lumiere*, 7 and 9 p.m., Room 112 Kern.

College of Science Student/Faculty Coffee Hour, 7:30 p.m., Room 333 Whitmore.

Penn State Dames meeting, 8 p.m., Room 101 Kern.

Friday, Sept. 15

Fixed date for meetings involving Commonwealth Campus faculty

Sports: men's tennis, EAA championships, men's golf, EAA championships.

France-Cinema, *Lumiere*, 7 and 9 p.m., Room 112 Kern.

French Department Public Lecture, Germaine Bree, Kenan Professor, Wake Forest University, on "The Problematic Art of Autobiography in Contemporary France," 8 p.m., HUB Assembly Hall.

Saturday, Sept. 16

Sports: men's tennis, EAA championships; men's golf, EAA championships; baseball, vs. West Chester (2), 1 p.m., Beaver Field.

Commonsplace Theatre, *Damnation Alley*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 17

University Chapel service, Eric Routley, Westminster Choir College, Princeton, N.J., 11 a.m., Music Bldg. Recital Hall.

Sports: men's tennis, EAA championships; baseball, vs. West Chester (2), 1 p.m., Beaver Field.

Commonsplace Theatre, *Damnation Alley*, 7 and 9 p.m., Room 112 Kern.

Monday, Sept. 18

IAHS winter and spring term faculty research grant applications due. Ilhng Cottage

Last date for November graduates to activate diploma cards in Registrar's Office and pay

theses fees at Bursar's Office.

IAHS Lecture, Olive Checkland, lecturer in economic history, on "Health Care in Victorian Scotland," 3:55 p.m., Room S-209

Henderson.

Dept. of Theatre and Film/IAHS. Everyman Players, Pine Grove, Ky., performers of children's plays. "Hey Diddle Diddle," 4 and 7:30 p.m., The Playhouse.

Joint Senate-Administrative Committee hearings reviewing developments in faculty participation in governance.

3-5 p.m., New Kensington Campus.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Monte Bedford, oboe, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Sept. 19

Gallery Talk, John P. Driscoll, Museum of Art, on "John F. Kensett Drawings," 10:30 a.m., Museum of Art.

Joint Senate-Administrative Committee hearings reviewing developments in faculty participation in governance.

3-5 p.m., Room 112 Kern.

Shakespeare film, *Richard III* (Oliver), 6:30 p.m., Room 101 Chambers.

Comp. Lit. film, *Satyajit Ray, Music Room* (India), 7 and 9 p.m., Room 112 Kern.

Comp. Lit. Luncheon, Germaine Bree, Wake Forest University, on "Brief Remarks on the Contrast Between French Freudian Criticism and American," 12:15 p.m., Hotel State College.

Artists Series film, *Ingmar Bergman, 1975, The Magic Flute*, 8 p.m., Eisenhower Auditorium.

Wednesday, Sept. 20

Everyman Players, "The Butterfly," 4 and 7:30 p.m., The Playhouse.

Shakespeare film, *Richard III* (Oliver), 6:30 p.m., Room 101 Chambers.

Commonsplace Theatre, *Sometimes a Great Notion*, 7 and 9 p.m., Room 112 Kern.

Black Studies Program, Open House, 7:30 p.m., HUB Gallery Lounge.

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Sept. 21

Pass/Fail.

Board of Trustees meeting, Keller Bldg.

History Colloquium, Sydney Checkland, economic history, University of Glasgow, on "The Problem of the Victorian Poor," 3 p.m., Room 124 Sparks.

Friday, Sept. 22

Pass/Fail.

Board of Trustees meeting, Keller Bldg.

SFO film, *Ladies and Gentlemen, the Rolling Stones*, 7, 9 and 11 p.m., Room 102 Forum.

Sports: soccer, vs. Hartwick, 7 p.m., Jeffrey Field.

Artists Series, The Waverly Consort, *Le Roman de Fauvel*, 8:30 p.m., Eisenhower.

Saturday, Sept. 23

Hort Show, 10 a.m.-9 p.m., tent near Park Ave. and Shortlidge Rd.

Sports: football, vs. Southern Methodist University, 1:30 p.m., Beaver Stadium.

France-Cinema, *Black and White in Color*, 7 and 9 p.m., Room 112 Kern.

University Concert Committee, The Doobie Brothers, 8 p.m., Recreation Bldg.

Sunday, Sept. 24

Hort Show, 9 a.m.-4 p.m., tent near Park Ave. and Shortlidge Rd.

University Chapel service, Ned Weller, United Ministries, 11 a.m., Eisenhower Chapel.

Sports: women's cross country, Lady Lion Invitational, baseball, vs. Mansfield (2), 1 p.m., Beaver Field.

Seminars

Thursday, Sept. 14

Statistics, George Tiao, University of Wisconsin, on "Statistical Modeling of Air Pollution Data," 4 p.m., Room 60 Willard.

Monday, Sept. 18

Computer Center, ACM, John R. Mashey, Bell Labs, on "UNIX and the Programmer's Workbench," 8 p.m., Room 112 Backout.

Computer Science, John R. Mashey, Bell Labs, on "Small Is Beautiful and Other Thoughts on Programming Strategies," 1 p.m., Room 325 Whitmore.

Tuesday, Sept. 19

Air Pollution Control, Gerhard G. Reethof on "Use of Acoustics to Agglomerate Sub-Micron Particulates," 2:20 p.m., Room 140 Fenske Lab.

Mathematics, Walter Deuber, University of Viekefeld, West Germany, on "Time Dependent and Hypergraphic Networks," 3 p.m., Room 101 Elec. Eng. East.

Chemical Engineering, Avinoam Nir, Technion-Israel Institute of Technology, on "Particles Dispersion in Homogeneous Turbulence,"

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

3:45 p.m., Room 140 Fenske Lab.

Wednesday, Sept. 20

Plant Pathology, Jean Stutz on "Postharvest Control - Crop value as a determining factor in control cost decisions, as exemplified by wheat and strawberries," 3:55 p.m., Room 112 Backout.

Mathematics, Walter Deuber, University of Viekefeld, West Germany, on "Some Recent Advances in Ramsey Theory," 4 p.m., Room 108 Henderson.

Inorganic Chemistry, William D. Horrocks, on "Metal Ions in Biological Systems," 8 p.m., Room 333 Whitmore.

Thursday, Sept. 21

Acoustics, John Sullard, University of Technology, Loughborough, England, on "Ultrasonic Lenses," 4 p.m., Room 73 Willard.

Exhibits

Anthropology Museum

Open 9 a.m.-1 p.m. Monday, Tuesday, Wednesday.

Chambers Gallery

Kenneth Beittel, ceramics, Joan Novosel, paintings.

HUB Gallery

Renascence Gallery exhibit.

Kern Commons Gallery

David Rubello, paintings; Barbara Garrison, prints and etchings.

Museum of Art

Open noon-5 p.m. daily. Closed Mondays.

Tours on Sundays, 1:30 p.m., "Singular Statements: Selected by Paul Shanley," through Sept. 17. John F. Kensett, drawings.

European paintings, drawings and sculpture from the permanent collection. Oriental works of art from the permanent collection opens Sept. 24.

Robeson Cultural Center

Liani Foster, paintings, sculpture and fabric designs.

Zoller Gallery

Open weekdays 8 a.m.-5 p.m., Saturdays and Sundays, noon-5 p.m., "American Snapshots. Photographs with a Capital P," photos from family albums.

Arts Roundup

Alard concert scheduled

The Alard String Quartet will present its first concert of the 1978-79 season at 8:30 p.m. Wednesday, Sept. 20, in the Music Bldg. Recital Hall.

The Quartet is composed of Joanne Zagot Feldman and Donald Hopkins, violinists, Raymond Page, violist, and Leonard Feldman, cellist. All are associate professors of music at the University.

The program will consist of three works, among them, Hungarian composer Marcel Dick's Quartet No. 2 (1938). Mr. Dick, who is 80 years old this year, will be honored by the Alard String Quartet in a concert of his works at the Cleveland Museum on Sept. 27.

A viola student of the composer Kodaly, Mr. Dick has performed with the Kolitsch Quartet, the Rose Quartet, and the Stradivarius Quartet. He has also performed as principal violist with the Detroit Symphony.

The concert will also include Boccherini's Quartet in D, opus 6, No. 1, and Brahms' Quartet in B Flat, opus 67.

"Lumiere" to premiere

France-Cinema will offer a number of University Park premieres during its fall term film series, among them *Lumiere* on Thursday and Friday, Sept. 14 and 15, at 7 and 9 p.m. in Room 112 Kern.

Directed by and starring Jeanne Moreau, the film focuses on four women at various points in their careers as

actresses.

According to the Village Voice critic, it "examines friendship among women in a manner that stresses feelings over form and eschews a strong narrative in favor of anecdotal moments." And from Newsweek: "The film revolutionizes not just the way we look at women in movies but the way we experience time in movies."

In addition to Moreau, the film stars Lucia Bose, Caroline Carrine, Francine Racette, Keith Carradine and Bruno Ganz.

Bedford Duo to present world premiere of Moss work

The world premiere performance of Lawrence Moss' Little Suite will be presented by the Bedford Duo at 8:30 p.m. Monday, Sept. 18, in the Music Bldg. Recital Hall.

The Bedford Duo, consisting of Monte Bedford, oboist and English hornist, and Frances Bedford, harpsichordist, will also perform works of J. S. Bach, Domenico Scarlatti, J. C. F. Bach, and Carlos Surinach.

Lawrence Moss has received commissions from the Fromm Foundation, the National Endowment for the Arts, and the Chamber Music Society of Baltimore. He heads the composition department at the University of Maryland. The Little Suite was commissioned by, and is dedicated to, the Bedford Duo.

Monte Bedford is an instructor in music at the University. Frances Bedford is an associate professor of music at the University of Wisconsin at Parkside. They will be assisted in this performance by Overda Play, flutist; Leonard Feldman, cellist; and Fluck Hoover, tympanist.



The Artists Series will present *The Wiz* Dec. 3.

Musical, dance, theatre offered by Artists Series

The hilarious all-male dance company, Les Ballets Trockadero de Monte Carlo, will present its spoof of classical ballet as the first offering of the Artists Series' Performing Arts and Special Events program.

Their performance on Saturday, Sept. 30, will be followed Oct. 6 by that of Joan Lippincott, one of America's outstanding organ virtuosos. Music Magazine said of her playing: "A staggering display of intense drive and energy."

The Martha Graham Dance Company returns to campus with two performances,

the first on the evening of Oct. 21, followed by a matinee on Oct. 22. Modern dance will give way to Broadway with a Dec. 3 performance of *The Wiz*, the exciting soul to rock version of *The Wizard of Oz*, and the winner of seven Tony Awards, including "Best Musical of 1975."

The Blackstone Magic Show ushers in the new year on Jan. 3, and in February the Pittsburgh Symphony Orchestra arrives for its seventh annual residence at Penn State. Its Tchaikovsky Competition gold medal winner, cellist Nathaniel Rosen, will appear with the orchestra, which will be conducted by Leonard Skalkin, newly

(Continued on page 4)

Senate

(Continued from page 1)

composition of the University Promotion and Tenure Review Committee, which will be chaired by Graduate School Dean James B. Barto. Dr. Richard G. Cunningham, vice president for research and graduate studies, and Dr. Robert E. Dunham, vice president for undergraduate studies, will serve, along with Dr. Robert W. Green, professor of European history and a recipient of the Lindback teaching award, and Dr. Howard Morgan, Evan Pugh professor of physiology at Hershey.

Senate representatives include: Dr. Ernest L. Bergman, professor of plant nutrition; John Kolesar, professor of engineering at Wilkes-Barre; Dr. Arthur O. Lewis, Jr., associate dean, College of the Liberal Arts, and professor of English; Patricia M. Overdeer, professor of mathematics at Ogontz; Dr. Robert F. Schmalz, professor of geology; and Dr. Carl H. Wolgemuth, professor of mechanical engineering.

The President also informed senators that the question of switching from a term to a semester calendar would not be reopened before 1982, since a committee which had conducted a study of possible savings resulting from the change had found that they would not be as significant as anticipated.

Referring to the informational report issued by the Joint Administrative/Faculty Committee on Insurance Matters, the President pointed out that three of the five recommendations — on major medical, dental and vision care benefits — would be implemented, as stated in a letter to faculty issued in August.

In concluding, Dr. Oswald informed senators, at the request of Provost Edward D. Eddy, of an action taken by the Provost last summer in which he rescinded a master's degree granted in May 1977 after evidence was uncovered showing that almost the entire thesis had been plagiarized.

In other actions, the Senate returned to committee an amendment to its *Constitution, Bylaws and Standing Rules* which would have allowed graduate students and medical students at campuses other than University Park to elect a graduate student senator. Hershey's senators maintained that graduate students and medical students have different interests and the University Park Graduate Student Association also suggested further study.

Two amendments were approved. They state:

— That any Senator who expects to be out of residence for more than four consecutive months or who is absent for any regularly scheduled Senate meetings in any given Senate year must resign unless an exemption is granted by the Committee on Committees and Rules; and

— That the Elections Commission will now review and adjust the number of Senators to be elected from each voting unit on Nov. 1 as opposed to Jan. 1.

Under forensic business, the Senate discussed a report from its Subcommittee on the Role of the Adviser. Several senators suggested the use of professional advisers in view of the complexity and size of the present advising operation. Based on the report, the Committee on Undergraduate Instruction will develop recommendations for the Senate on advising.

Senate Chairman-Elect George J. McMurry briefly discussed The Plan for the '80s and a door handout, "Forces Shaping Penn State's Perspective of the '90s." The document had been prepared by the Plan's Steering Committee and deals with four major components: population, finance, faculty resources and Penn State's tradition as a major land-grant institution.

The annual information report of the Senate Committee on Extended Degrees appeared in the Senate docket, as did an annual report on The University Libraries.

Artists Series

(Continued from page 3)

appointed music director of the St. Louis Symphony. This concert is Feb. 3.

The season concludes with performances by two dance companies. The Houston Ballet will bring Tchaikovsky's *Sleeping Beauty* to Eisenhower Auditorium the evening of March 17 and repeat the program at a March 18 matinee. Then the exuberant Arthur Hall Afro-American Dance Company will show audiences the evolution of black dance from its African origins through American jazz and modern forms. They will be at University Park April 20.

Tickets for these events will be sold on an individual basis on Thursday, Sept. 21, and Friday, Sept. 22, from 9 a.m. to 4 p.m. at Eisenhower Auditorium Box Office. No phone reservations will be accepted. However, on those dates, phone orders may be charged to Visa or Master Charge by calling 863-0255.

Children's theatre group to stage two plays

The Everyman Players, an internationally known professional touring children's theatre, will be in residence in the Department of Theatre and Film Sept. 18, 19 and 20. Based for 20 summers in Pine Mountain State Park in Kentucky, where they performed their classic *The Book of Job*, the players have toured in Britain, France, Germany, Holland, Africa and Italy.

At Penn State, they will be performing *Hey Diddle Diddle* and *The Butterfly*. *Hey Diddle Diddle* is a collection of Mother Goose rhymes and riddles with original music by Bill Corcoran. It is suggested for children in grades K-6. *The Butterfly* is a new addition to the repertoire of the Everyman Players. It tells the story of a beautiful butterfly who must win her freedom from a spider's web. It is a simple and universal story for children in grades 4-8.

Both plays will be presented in the Playhouse Theatre. *Hey Diddle Diddle* will be performed Sept. 18 at 4 and 7:30 p.m.; *The Butterfly*, Sept. 20, at 4 and 7:30 p.m. Student tickets are \$1.50 for each performance; adults, \$2.50. For information and reservations, call 863-1884.

Penn Staters

Two members of the Senate-elected Faculty Advisory Committee have been named to the Provost's Budget Advisory Committee.

Dr. Robert S. Friedman, professor of political science, and Dr. John J. Cahir, associate professor of meteorology, will take part in the annual budget hearings with the University's Colleges, Campuses and other academic units.

The Committee advises the Provost on budgetary allocations as part of the University's continuing five-year budget and planning effort. Professors Friedman and Cahir replace Margaret B. Matson, professor emerita of social welfare, and Guy E. Rindone, professor of ceramic science, who served with the Committee last year.

Dr. Kenneth R. Beittel, professor of art education, is having a one-man exhibition of his pottery at the Everson Museum of Art in Syracuse, New York. In an introduction to the exhibition catalog, Peter Giopulos writes: "The range spans and the richness overcomes. The power of this master speaks through his pots."

Dr. Robert E. Hauser, assistant professor of history at McKeesport, presented a paper entitled "Human Consciousness, the Ethics of Gaming, and the Use of Simulation Games in the Study of the Energy Crisis" at the International Simulation and Gaming Association Conference held in July at the University of Lund, Sweden.

"The Magic Flute" to be shown

Ingmar Bergman's film adaptation of Mozart's *The Magic Flute* will open the Artists Series Tuesday evening programs of Operas and Musicals as Film. "A blissful present... a model of how opera can be filmed," is the New Yorker's Pauline Kael wrote of this picture.

The film will be shown Sept. 19 at 8 p.m. in Eisenhower Auditorium. Tickets cost \$1.50 for non-students and may be purchased at the Eisenhower box office, which will open at 7:30 p.m. Tickets for the entire series are available at \$9 in Pine Cottage. For further information phone 865-1871.

Waverly Consort on Sept. 22

A satiric and humorous musical fable of the 14th century is the Artist Series' Fine Arts Series first offering at 8:30 p.m., Friday, Sept. 22, in Eisenhower Auditorium.

Le Roman de Fauvel will be presented by the Waverly Consort, a group of singers and instrumentalists who perform music of the 12th through 17th centuries. "Fauvel" is based on a 14th century manuscript of more than 150 pieces of music by various composers. The music, which includes lute, conduct, Gregorian chants and motets, epitomizes the monophonic and polyphonic musical styles of the 13th and 14th centuries.

The late Medieval music is enriched by an epic story, contained in some 6,000 verses, recounting the adventures of Fauvel, an ass whose name is an acronym derived from six French words for different vices and evils. Fauvel is used as an allegorical figure representing the greed and villainy rampant in the church and monarchy at that time.

The Consort's production of "Fauvel," fully staged and costumed, was described by the New York Times as "perfect... (with) music, movement and text superbly interwoven."

The Waverly Consort will also present two workshops in connection with the "Fauvel" presentation at 10 a.m., Sept. 21 and 22 in Kern Graduate Bldg.

Tickets for the production will go on sale at the Artists Series HUB booth and the Eisenhower Auditorium box office beginning Monday, Sept. 11, from 9 a.m. to 4 p.m.

Dr. Robert W. Ott, associate professor of art education, presented an invited paper at The Congress of International Councils of Museums (ICOM) in Rotterdam. He discussed issues involved in the training of teachers for museums and exhibition settings. ICOM is a division of UNESCO.

Dr. William L. Eck, associate professor of health education, recently returned from Switzerland where he presented a paper at the 24th International Institute on the Prevention and Treatment of Alcoholism, held in Zurich. The conference was sponsored by the World Health Organization.

Dr. J. William Holl, professor of aerospace engineering, has been elected a Fellow of The American Society of Mechanical Engineers. The Fellow grade is conferred upon a member who has at least ten years of active practice and who has made significant contributions to the field of engineering. Prof. Holl has been recognized for his research on cavitation, the formulation of cavities in a liquid as a result of reducing pressure. The study of cavitation is important in the design of fluid machinery that handles liquids.

Dr. Milton W. Cole, associate professor of physics, presented a research paper at the International Conference on Low Temperature Physics in Grenoble, France, Aug. 25. He discussed "Electrohydrodynamic Instability in a Supercritical Superfluid Film."

WPSX Highlights

Members of the renowned Joffrey Ballet perform works by Kurt Jooss, Gerald Arpino, and Robert Joffrey in addition to "Olympics," a celebration of the athleticism of the American male dancer, Saturday, Sept. 16, at 8 p.m. on Great Performances: Dance in America.

President Truman once described himself as a man who "said what he meant and meant what he said." Saturday, Sept. 16, at 9 p.m., actor Ed Flanders depicts the President at the age of 68 on *Harry S. Truman: Plain Speaking*. The one-hour drama presents the President reflecting on his rise in politics and on some of the people he encountered over the years.

The Long Search, beginning Sunday, Sept. 17, at 6 p.m., is a new 13-week series which examines the world's principal religions and their role in the 20th century. The programs are hosted by Ronald Eyer, who acts as a kind of modern-day pilgrim on a global journey that takes him from Protestant pulpits in Indiana to Buddhist monasteries in Sri Lanka. The Long Search is part of a credit course offered by The Pennsylvania State University of the Air. For more information, contact Independent Study by Correspondence, 3 Shields.

The New York Philharmonic, with its new music director Zubin Mehta, joins pianist Rudolf Serkin on the season premiere of *Live From Lincoln Center*, Wednesday, Sept. 20, at 8:30 p.m.

The American hero — in myth and the media — is the subject of a 90-minute special, *You're Not a Hero Until You're Sung*, to be presented on Thursday, Sept. 21, at 8:30 p.m.

Staff Vacancies

The following vacancies for positions classified as staff exempt from civil service have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 21, 1978. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PRODUCER-TELENT, SCIENCE AND TECHNOLOGY — CONTINUING EDUCATION, University Park

Responsible to the Executive Producer for General Education for the research, development and preparation of radio and tv programs dealing with science and technology. Responsible for planning, coordinating and scheduling all personnel and facilities for assigned productions; for gathering information, preparing scripts and performing on regular and special tv and radio programs; for developing content in the areas of science and technology for assigned radio, tv, and film productions, working with the executive producer, responsible for the development of new program ideas in the area of science and technology and for exploring possible funding sources for such productions. This position requires the ability to create imaginative and accurate tv and radio programs, the ability to perform as talent in a credible fashion on tv and radio programs dealing with science and technology, and a strong interest and strong background in science and technology. Master's degree and six to 12 months of directly related experience is required. Degrees can be either in broadcast journalism or related field or in general or specific areas of science and technology. Experience in both broadcasting and science related field is preferred.

SENIOR INSTRUCTIONAL SERVICE SPECIALIST, Delaware County Campus

Responsible to the Associate Director for Academic Affairs to evaluate and encourage the use of a wide range of instructional resources by faculty, students and staff, to provide and implement innovations in instructional methods and media and to provide input concerning instructional media for long-range planning. A bachelor's degree required, preferably in education/instructional media, and work progressing toward a master's degree, plus one to two years of directly related experience.

SYSTEMS ANALYST — COLLEGE OF MEDICINE, Hershey

Responsible to the Manager, Medical Computer Center, for implementing the payroll and accounting procedures for the College of Medicine with the various departments to determine their information requirements and operational needs. Bachelor's degree in accounting with knowledge of third generation programming language, plus four years of data processing experience.

Penn State Intercom

News in Brief

President taking leave; Eddy assumes responsibilities

At his request, President Oswald will be on a medical leave of absence from the University for approximately two months to continue his recuperation from recent eye surgery.

On Sept. 11, Dr. Oswald underwent a surgical procedure to repair a detached retina in his right eye. The procedure was performed at The Milton S. Hershey Medical Center.

Provost Edward D. Eddy has assumed the full responsibility and authority of the President for the operations of the University during the period, pursuant to the regulations of the Board of Trustees.

The announcement of Dr. Oswald's medical leave and Dr. Eddy's responsibilities during the leave was made Monday, Sept. 18, by W. K. Ulerich, president of the Board of Trustees.

UNICARE may cover part of psychologist's treatment

The University's UNICARE plan will cover partial payments for treatment for any specific disease or illness performed by a licensed and certified psychologist.

Heretofore, the plan only covered such treatments if they were performed by a psychiatrist (M.D.), but not if performed by a psychologist.

Such coverage does not include such nondisease or nonillness related matters as counseling for marital or family problems, hypnosis to quit smoking, and so forth.

Covered expenses incurred for out-

patient psychiatric treatment shall include fees up to a maximum of \$40 per visit, with payment limited to 50 percent of such covered expenses and subject to a maximum total payment of \$1,000 during any one period of 12 consecutive months.

Because these charges are covered under Major Medical, the \$100 deductible must be satisfied before any payment is made.

Help wanted advertising reminder

The Office of Personnel Administration would like to remind faculty and staff of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements to assure that they are in compliance with State and federal legislation and that a standard of public relations is maintained (see PS-33, Help Wanted Advertising, in the University Policy Manual).

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

Moss to address English Colloquium

Howard Moss, a poet and the poetry editor of *The New Yorker*, will read from his own poems at the English Colloquium at 8 p.m. Tuesday, Sept. 26, in Room 112 Kern Bldg.

Mr. Moss received a National Book Award in 1971 for his *Selected Poems* and

has also written on Edward Lear and Marcel Proust. A guest of the Institute of the Arts and Humanistic Studies, Mr. Moss will visit relevant classes during his Sept. 26-27 visit.

China hand to speak

Jürgen Domes, professor of political science and head of the Research Unit on Chinese and East Asian Politics at Saar University, Saarbrücken, West Germany, will visit the University Park Campus on Wednesday, Sept. 27.

He will give a seminar for interested faculty and graduate students on the "Rural Policies of the People's Republic of China, 1958-1978" at 3 p.m. in Room 124 Sparks Bldg. At 8 p.m., he will give a public lecture on "The Policies of the Military-Bureaucratic Complex in the People's Republic of China" in the HUB Assembly Room.

Both events are sponsored by the University Committee on International Programs, the East Asian Studies Committee of the College of the Liberal Arts, and the Slavic and Soviet Languages and Area Center.

Hort Show under big top throughout weekend

"Horticulture around the Home" is the theme of this year's ever popular Horticulture Show, which will be held in a giant circus type tent, located at the corner of Park Ave. and Shortlidge Rd., from 10 a.m. to 9 p.m. Saturday and from 9 a.m. to 4 p.m. Sunday, Sept. 23-24.

The sales area will offer a variety of products, including apple cider, apple butter, Indian corn, gourds and pumpkins.

Hardy mums, cut flowers and foliage plants will also be sold, and, as area bargain hunters know, at the conclusion of the show, most of the landscaping materials used in the exhibits will be available at reasonable prices.

Faculty Women's Club, Newcomers' reception

The Faculty Women's Club and the Newcomers Club will hold their annual fall reception from 7:30 p.m. to 9:30 p.m. Wednesday, Sept. 27, at the Kern Graduate Center.

All faculty women and wives of Penn State faculty and administrators are invited to attend this informal punch party, which will feature membership sign-up for the many interest groups sponsored by both organizations. Interest group chairmen will set up exhibits describing their group's activities and schedules and will be present to answer any questions.

After the game

Fans seeking to avert any after-the-game letdown following home games should proceed to the Nittany Lion Inn. The Tarnished 6 Diviland Band will be on hand there to provide music for dancing, and the dining room is open from 5 to 8 p.m. There's also a cash bar and plenty of free parking. The management suggests reservations.

London Bus schedule

During fall term at University Park, the London Bus will depart at 1:30 p.m. from the HUB on Mondays and Fridays.

Journalism School has "enormous potential," new Director believes

Fledgling journalism students look to the Washington of Woodward and Bernstein as professional heaven.

Robert O. Blanchard maintains, however, that for a journalism educator, Penn State has its own "glamour" compared to D.C.

And suiting action to opportunity, Dr. Blanchard has left his job as Dean of the School of Communication at The American University to take on the directorship of Penn State's School of Journalism.

"There are several reasons why Penn State's School has enormous potential," Dr. Blanchard said in a recent interview. "Its numerous and distinguished journalism and advertising alumni are one asset."

"Another is the State of Pennsylvania itself. Pennsylvania is a media state. It has one of the largest number of daily and weekly newspapers, and of broadcast outlets, of any state in the nation. It also has probably the strongest publishers' association in the country in terms of membership, activities, organization and funding."

Because journalism placement is so competitive, the top journalism schools must provide students structured and supervised realistic experience before they go into the job market. This requires building strong bridges of collaboration with the media. Penn State's media

relations are good. The potential for more is there."

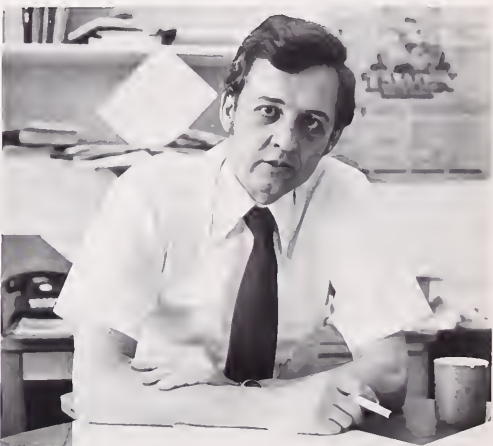
Dr. Blanchard also finds "the School of Journalism faculty and its teaching vigor a source of pride."

"I think the School is somewhat underrated on campus," he said. "The language skills test our faculty developed to get a fix on student writing problems is a national model. Our internship program is first-rate. The point is that we have one of the best teaching units in Liberal Arts, and no one I have talked to denies that. We are attracting and keeping students because of our strong commitment to teaching."

Enrollment figures support Dr. Blanchard's thesis. In spring '78, the College's five largest majors were: Journalism/Advertising, 491 students; General Arts and Sciences, 383; Political Science and Pre-Law, 353; Social Welfare and Sociology, 279; and Psychology, 297.

Blanchard is aware, of course, of the internal review of the School, which criticized the faculty for weaknesses in publication, research and professional activity. He acknowledges the School's performance needs to be "more balanced" because of Penn State's strong commitment to research and scholarship.

"As a professional school in liberal arts," Blanchard said, "we are committed both to the intellectual tradition and the professional ethic. One of our highest



Robert O. Blanchard

priorities is to work out a plan of action for faculty development consistent with the goals of the College and University without sacrificing our professional values, our commitment to rigorous teaching and our unique goals."

Dr. Blanchard has already initiated planning for a wide range of new activities. Broadening and strengthening alumni

contacts is near the top of his list.

Under active consideration is a special topics course in which a team of ten to 15 advanced students would spend six or seven weeks at University Park thoroughly researching a public affairs topic closely allied to Pennsylvania interests. Under faculty supervision, the

(Continued on page 4)

Penn Staters

Dr. Sheldon R. Gelman, associate professor of social welfare, has been named director of the Social Welfare program. A member of the faculty since 1967, he has a Ph.D. in welfare planning from the Heller School of Brandeis University and a Master of Studies in Law from Yale. Dr. Gelman is a member of the Academy of Certified Social Workers and a Fellow of the American Association on Mental Deficiency. In 1974, he received the Rosemary F. Dywblad International Award from the National Association of Retarded Children.

Patrick J. Wardell, instructor in social welfare, has assumed the duties of field coordinator of the Social Welfare program. He received his M.S.W. at the University of Buffalo and is a doctoral candidate at Penn State. He worked for ten years in Erie in the area of child welfare and also served as director of Gannon College's social welfare program.

Anne Sue Hirshorn, lecturer in art at Delaware County, has been invited to participate in an exhibition of visual poetry by women at the Venice Biennale, an international showcase for the contemporary arts held every two years. This year's exhibit includes the work of 80 women poets from 17 countries. Ms. Hirshorn's work is called "Drawn from the Rose," and includes five drawings in Xerox, watercolors and pen and ink commenting on a little known text by Henrietta Dumont, *The Poetry and Language of Flowers*, published in Philadelphia in 1852.

Dr. T. D. Parsons, associate professor of mathematics, was a visiting scholar at the Department of Mathematics, Simon Fraser University, British Columbia, during July. He also delivered an invited lecture on "Circulant Graph Imbeddings" at Victoria University, British Columbia.

Dr. Joachim F. Wohlwill, professor of man-environment relations, delivered the Presidential Address to the Division of Psychology and the Arts of the American Psychological Association at the association's recent meetings in Toronto. The subject of his address was the aesthetics of man-made structures in natural surroundings.

Dr. William A. Steele, professor of chemistry, presented six lectures last summer at the Enrico Fermi International School of Physics, Varenna, Italy, on "Intermolecular Spectroscopy and Dynamical Properties of Dense Systems." He also spoke on "Structure and Motion in Molecular Liquids" at the Faraday Discussion held in Canterbury, England. Sept. 13-15.

Dr. Thomas Kando, associate professor of recreation and parks, presented an invited paper at the Ninth World Congress of Sociology in Uppsala, Sweden, Aug. 14-19. The paper, "Cultural Action and Cultural Free Enterprise," compared governmental cultural policies in eight nations. At the congress, Dr. Kando was also elected to the executive committee for the International Research Group on Leisure.

Dr. Thomas Rohner, chief of urology at Hershey, recently served as visiting professor of urology at SUNY-Buffalo.

Dr. Gordon F. DeJong, professor of sociology and associate director, Populations Issues Research Center, has been invited to spend the coming academic year at the East-West Population Institute in Hawaii, where he will be a Senior Fellow.

Dr. Gary L. Mullen, assistant professor of mathematics at Shenandoah Valley, presented a paper, "Weak Equivalence of Functions over a Finite Field," at the International Congress of Mathematicians in Helsinki, Finland, in August.

Dr. Lawrence W. Ramsey, assistant professor of astronomy, gave an invited

colloquium on "Non-Equilibrium Thermodynamics in Red Giant Stars" at Sacramento Peak Solar Observatory in New Mexico.

Dr. Harry R. Allcock, professor of chemistry, recently presented a plenary lecture at the Second International Symposium on Inorganic Ring Systems held at the University of Göttingen. The title of his talk was "High polymers from Inorganic Rings."

Dr. Stephen J. Cimbala, associate director for academic affairs at Delaware County and associate professor of political science, attended the Scholar/Diplomat Seminar on Politico-Military Affairs at the Department of State in Washington last summer. The invited participants were university specialists in foreign policy and international relations. Among topics discussed by the participants and State Department officials were arms control and disarmament and the Carter Administration's human rights policy.

Dr. Emily Toth, assistant professor of English, recently chaired an invitational session on "Popular Culture and the Question of Values" at the first international popular culture convention, held at the University of Sussex in Chichester, England.

Dr. Norman Freed, associate professor of physics and assistant dean of resident instruction, College of Science, presented an invited series of talks in Poland in August. He spoke at universities in Warsaw, Lublin, Krakow, Poznan, and Wrocław and gave a series of research seminars at the Nuclear Research center at Swierk. He spoke on various aspects of high energy electromagnetic interactions with nuclei. Support for the trip came from the National Science Foundation and the Polish Academy of Sciences.

Joseph L. Wysocki, associate professor of home economics extension, has been elected vice-president of the American Association of Housing Educators. He will be installed at their annual meeting this fall at Minneapolis.

Dr. E. Michael Van Buskirk, assistant professor of surgery in the division of ophthalmology at Hershey, recently served as visiting professor of ophthalmology at the Cleveland Clinic Foundation. He presented three lectures: "Glaucoma and Quantitative Perimetry," "Concepts of Congenital Glaucoma," and "Scanning Electron Microscopy of Ocular Vessels."

Dr. George Enteen, associate professor of history, will spend the fall term in Jerusalem as a guest scholar of the Department of Russian and Slavic Studies of the Hebrew University. He will be conducting research on historiography and Soviet political history.

Dr. Ronald E. Buckalew, associate professor of English, was an invited participant last summer in a conference at Emmanuel College, Cambridge, called to inaugurate a major new project in English studies, the Index of Middle English Prose. Dr. Buckalew was in England conducting research with the aid of an American Philosophical Society grant.

Dr. Peter B. Pfah, professor of floriculture, received a plaque for meritorious service to the florist industry during the awards luncheon of the Pennsylvania Florists Association held recently in Pittsburgh.

Dr. Lita L. Schwartz, professor of educational psychology, and **Dr. Natalie Isler**, associate professor of history, both of the Osgood Campus, presented papers at the 4th International Conference on Improving University Teaching in Aachen, West Germany, during August. Their respective topics were "Criteria for Effective University Teaching" and "General Studies and the Technical Disciplines."

Bookshelf

Biofeedback, a book by **Dr. Robert M. Stern**, professor and head of psychology, and **Dr. William J. Ray**, assistant professor of psychology, was selected by the American Psychological Foundation for one of its 1978 National Media Awards. The book was cited for its "concise and informative identification of what is fact, fantasy and fiction about biofeedback." Prof. Stern and Ray received their \$1,000 award at the 86th Annual Convention of the American Psychological Association last month.

A second and enlarged edition of the book, **Power and Policy in China**, by **Dr. Parris H. Chang**, professor of political science, has been published by The Pennsylvania State University Press. The book includes analysis of political and economic developments in China during the past three years.

Dr. Gideon Golany, professor of urban and regional planning, is the editor of a recently published book, **International Urban Growth Policies: New-Town Contributions**. He also authored the book's first chapter, "New Urban Settlements: Tools for National Policy."

Retirements



Dr. Davis



Dr. Harris

Dr. Norman Davis, a member of the faculty since 1947, retired Aug. 31 with the rank of professor emeritus of engineering mechanics.

He received his B.S. from the College of the City of New York, his M.S. and Ph.D. in applied mathematics from New York University, and spent a post-graduate term at the Institute for Advanced Study in Princeton, N.J. During World War II, Dr. Davis was a mathematician at the Terrestrial Magnetism Laboratory of the Carnegie Institute in Washington, D.C. For this work, he later received a Naval Ordnance Development Award.

Prior to joining the faculty at Penn State he taught applied math at Johns Hopkins, UC-Berkeley, and Townsend Harris preparatory school of CCNY. He also served as a physicist with the Army Corps of Engineers.

He began his career at Penn State as associate professor of engineering research

in 1947 at the Ordnance Research Laboratory. After transferring to the Department of Engineering Mechanics in 1950, he was promoted to the rank of professor in 1953.

Dr. Davis' research interests have ranged over a wide variety of applied fields in engineering science. The author of 75 papers, he helped contribute to the theory of propagation of radio waves in the D-layer and to the understanding of the structure of the ionosphere; studied "spalling," a type of fracture occurring especially under impact by high-velocity projectiles; and more recently has been involved in biomedical research.

To fill an unmet need, in the early '50s Dr. Davis developed a new course in the training of engineers in mathematical methods and later introduced a similar course in computer methods. He was awarded a Fulbright for 1959-60 at the Technion, Haifa, Israel and is a founding member and Fellow of the American Academy of Mechanics.

Dr. Dale B. Harris retired recently with the rank of professor emeritus of psychology and human development. A Penn State faculty member for 19 years, Dr. Harris was graduated from DePauw University in 1935 and went on to earn M.A. and Ph.D. degrees from the University of Minnesota.

He served on the faculty at Minnesota and was director of that university's Institute of Child Welfare until he came to Penn State as a professor of psychology in 1959. From 1963 to 1967, he was head of the Department of Psychology here.

Widely recognized for his research on child psychology and development, Dr. Harris was a consultant to the U.S. Children's Bureau and the U.S. Department of Labor. He has served as consulting editor for several academic journals.

In addition, Dr. Harris is well known for his work in the field of law enforcement and corrections. From 1965-69, he was a member of the executive board of the Joint Commission on Correctional Manpower and Training.

Editor, from 1964-71, of the *Child Development Abstracts and Bibliography*, he wrote the book, *Children's Drawings as Measures of Intellectual Maturity*, and co-authored another book, *Child Care and Training*.

He is a Fellow of the American Psychological Association, the Society for Research in Child Development, and the American Association for the Advancement of Science.

A Fulbright Lecturer to Japan in 1968-69, Dr. Harris has served as visiting professor at Stanford and Syracuse universities, UC-Berkeley, Long Beach (Cal.) State College, and Carleton University in Ottawa.

Captain Howard A. Shartel, USN, commanding officer and professor of naval science at the University since 1975, retired from the Navy on Sept. 1 after 28 years of active service.

A graduate of the U.S. Naval Academy, he was awarded an M.S. in aeronautical engineering from the Massachusetts Institute of Technology. During his varied career as a Naval Aviator, Captain Shartel commanded Helicopter Anti-submarine Squadron 11 and Carrier Anti-submarine Air Group 52 aboard the USS WASP.

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University Park Calendar

Sept. 21-Oct. 1

Special Events

Thursday, Sept. 21

Past/Fail.
Board of Trustees meeting, Keller Bldg
FSHA 410 Grecian Festival Meal, 5:30 p.m.,
Maple Room, Henderson.

Friday, Sept. 22

Past/Fail.
Board of Trustees meeting, Keller Bldg.
Waverly Consort workshop, discussion and
demonstration of the musical instruments used
in the performance of *Le Roman de Fauvel*, 10 a.m., Room 112 Kern.

SFO film, *Ladies and Gentlemen, the Rolling Stones*, 7, 9 and 11 p.m., Room 102 Forum.
Sports: soccer, vs. Hartwick, 7 p.m., Jeffrey Field.

Artists Series, The Waverly Consort, *Le Roman de Fauvel*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 23

Hort Show, 10 a.m.-9 p.m., tent near Park Ave. and Shortridge Rd.

Sports: football, vs. Southern Methodist University, 1:30 p.m., Beaver Stadium.
France-Cinema, *Black and White in Color*, 7 and 9 p.m., Room 112 Kern.

University Center Committee, The Doobie Brothers, 8 p.m., Recreation Bldg.

Sunday, Sept. 24

Hort Show, 9 a.m.-4 p.m., tent near Park Ave. and Shortridge Rd.

University Chapel service, Ned Weller, United Ministries, 11 a.m., Eisenhower Chapel.
Sports: women's cross country, Lady Lion Invitational, baseball, vs. Mansfield (2), 1 p.m., Beaver Field.

Monday, Sept. 25

Drop deadline.
Pretiragration deadline for winter term.

Past/Fail.

Court report deadline.
Intramural sports: men's volleyball, handball singles, entry open. Entry close, noon, Thursday, Sept. 28, IM Office.

France-Cinema, *Black and White in Color*, 7 and 9 p.m., Room 112 Kern.
Raymond Brown, bass-baritone, 8:30 p.m., Music Bldg, Recital Hall.

Tuesday, Sept. 26

Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates.

Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m.,



Joan Novosel-Beittel's "To Martin Heidegger" and ceramic by Kenneth Beittel from Chambers Gallery exhibit.

Hotel State College, Robert Lima, Spanish, Italian and Portuguese, on "Illustrated Readings from The Rites of Stone."

English Colloquium, Howard Moss, poet and poetry editor of *The New Yorker*, reads his own poetry, 8 p.m., Room 112 Kern.

Wednesday, Sept. 27

Black Cultural Center Lecture, Muriel Feelings, lecturer and writer of children's literature, on "Afro-American and Third-World Literature for Children," 2 p.m. and 8 p.m., Walnut Bldg. Conference Room.

History of Modern Science Public Lecture. Kenneth Schaffner, University of Pittsburgh, on "Relativity and the Revolution in Einstein's Concept of Time," 4 p.m., Room 445 Davey.

Commonplace Theatre, *The Front*, 7 and 9 p.m., Room 112 Kern.

Faculty Women's Club Fall Reception, 7:30-9:30 p.m., Kern.

Latin American Studies Committee Panel Discussion, "Que pasa in Nicaragua?" 7:30 p.m., Room S-207 Henderson.

Friday, Sept. 29

Sports: soccer, vs. West Virginia, 7 p.m., Jeffrey Field.

Forum on Black Affairs Town and Gown Reception, 7:30-9:30 p.m., Colonial Room, Nittany Lion Inn.

Artists Series, The Ballets Trockadero de Monte Carlo, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 30

All-University Day.
Last date for November graduates to deliver doctoral theses to committee.



Sports: football, vs. Texas Christian University, 1:30 p.m., Beaver Stadium.

France-Cinema, *Padre Padrone*, 7 and 9 p.m., Room 112 Kern.

Artists Series, The Ballets Trockadero de Monte Carlo, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 1

University Chapel service, Charles Lupton, Office of Gifts and Endowments, 11 a.m., Music Bldg, Recital Hall.

Artists Series, The Ballets Trockadero de Monte Carlo, performance for a young audience, 2 p.m., Eisenhower Auditorium.

Seminars

Tuesday, Sept. 26

Air Pollution Control, John W. Davis, industrial engineering and Center for Air Environment Studies, on "Cupola Furnaces," 2:20 p.m., Room 140 Fenske.

Chemical Engineering, Moshe Shientuch, Technion-Israel Institute of Technology, on "Oscillatory States in the Oxidation of CO on Platinum," 3:45 p.m., Room 140 Fenske.

Inorganic Chemistry, Harry R. Alcock, chemistry, on "Small-Molecule Rings as Models for High Polymeric Chains," 8 p.m., Room 333 Whitmore.

Wednesday, Sept. 27

Natural Disasters, Joseph J. Ellum, Pa. Dept. of Environmental Resources, on "Hazard from Dams," 11:10 a.m., Room 7 Walker.

Plant Pathology, Janice Scorza, graduate student, on "Apple Disease Control, Status, Cost and Management," 3:55 p.m., Room

half hour of lecture and discussion, one and one-half hours of hands-on design workshop, and a final half-hour critique session.

There is a fee for the course and a recommended text.

To enroll, contact the Area Penn State Continuing Education office at 865-3443, or write or visit Room 309 Shields Bldg.

Oscar-winning film to be shown Sept. 23, 25

Black and White in Color, winner of the 1977 Academy Award for Best Foreign Film, premieres Saturday, Sept. 23, at 7 and 9 p.m. in Room 112 Kern Bldg., under the auspices of France-Cinema. A second showing is scheduled for Monday, Sept. 25, same times and place.

The film, set in French West Africa in 1915, describes what happens to neighboring French and German colonial settlements and their black natives when the French belatedly learn that World War I has begun in Europe.

According to *The Time Magazine*: "... the movie not only presents a comically petty microcosm of war, but in its terse, understated way gives a withering account of the racial ignorance and contempt on which colonialism was built. The result hardly renews one's faith in human nature, but it is consistently riveting and grimly amusing."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

112 Buckout.

Thursday, Sept. 28

Ceramic Science, VanDerck Frechette, Alfred University, on "Some Thinking about Slow Fracture," 11 a.m., Room 301 Sieidle.
Chemistry, Dennis H. Smith, Stanford University, on "Novel Uses of Computers for Structure Elucidation," 12:45 p.m., Room 333 Whitmore.

Anthropology, George M. Guthrie, psychology, on "An Experimental Approach to Improving Infants' Diets in the Philippines," 3:30 p.m., Room 101 Kern.

Meteorology, T. Rosmond, NEPRF, Monterey, California, on "Recent Results with a Medium Resolution Global Weather Prediction Model," 3:55 p.m., Room 112 Walker.

Exhibits

Anthropology Museum

Open 9 a.m.-1 p.m. Monday, Tuesday, Wednesday.

Chambers Gallery

Kenneth Beittel, ceramics; Joan Novosel-Beittel, paintings.

HUB Gallery

Renascence Gallery exhibit, through Sept. 27. Central Pa. Guild of Craftsmen exhibit, opens Oct. 1.

Museum of Art HUB Gallery

Lucien Herve, French architectural photographer, "A Modern 16th Century City: Fatehpur Sikri."

Kern Commons Gallery

David Rubello, paintings; Barbara Garrison, prints and etchings, through Sept. 30. Woodcarver's Association, woodcarvings, opens Oct. 1.

Museum of Art

John F. Kennet, drawings. European paintings, drawings and sculpture from the permanent collection. Oriental works of art from the permanent collection opens Sept. 24 "The Song of Roland" opens Oct. 1.

Pattee Galleries

George Kleinman, acrylic paintings. East Corridor Gallery, Dave DiPietro, drawings. Lending Services Lobby.

Robeson Cultural Center

Liani Foster, paintings, sculpture and fabric designs through Sept. 30.

Zeller Gallery

"American Snapshots. Photographs with a Capital P," photos from family albums through Sept. 30.

Paintings, pottery in Chambers Gallery

The first exhibit of the academic year at the Chambers Bldg. Gallery features the paintings and pottery of Dr. Kenneth R. Beittel, professor of art education, and Dr. Joan Novosel-Beittel.

Joan Novosel-Beittel received her Ph.D. in art education from Penn State in 1976. Her research concentrated on conflict in artistic creativity, and her paintings transform strongly experienced places and images into abstract forms and moods. She has exhibited in local and regional fine arts shows.

Dr. Kenneth Beittel is showing pottery he has made during the past two years. The pieces range from wine cups to large jars, from native clay to porcelain.

The exhibit will be on display through Oct. 8, and the gallery is open Monday through Friday, 8 a.m. to 5 p.m.

Photos of 16th century Indian city at HUB

An exhibition of photographs by Lucien Herve, a French architectural photographer, entitled "A Modern 16th Century City: Fatehpur Sikri," is on display in the Museum of Art's HUB Gallery through Oct. 14.

Fatehpur Sikri was built in 20 years by Akbar the Great Moghul, a Turco-Persian ruler. During his reign, Akbar the Great maintained close relations with other

(Continued on page 4)

Arts Roundup

Raymond Brown concert on Sept. 25

Raymond Brown, bass-baritone and director of choral music at the University, will present a Beethoven and Bach concert at 8:30 p.m. Monday, Sept. 25, in the Music Bldg, Recital Hall.

Mr. Brown will perform Beethoven's song cycle, *Am die ferne Geliebte*, and six other songs by Beethoven, including "Ehre Gottes aus der Natur," "Andenken," "Ich liebe dich," "Wonne der Wehmuth," "In questa tomba oscura" and "Adelaide." He will be assisted in this part of the program by pianist Philip Dettra.

The second half of the program will consist of the Bach solo cantata No. 82, *Ich habe genug*. Mr. Brown will be joined in this piece by oboist Monte Bedford; harpsichordist June Miller; and the Alard String Quartet, with Joanne Zagst Feldman, Donald Hopkins, Raymond Page, and Leonard Feldman.

Mr. Brown studied at the University of North Carolina and the Juilliard School of Music. He holds degrees from the Peabody Conservatory and Johns Hopkins University.

Before coming to Penn State in 1953, Prof. Brown was director of music at the Park School in Baltimore and leading baritone of that city's Hilltop Opera Company.

He has been heard in numerous recitals and oratorios at the University. In recent

years, he has sung leading roles in the University Theatre's productions of Puccini's *Gianni Schicchi*, Carlisle Floyd's *Susannah* and James Loesser's *The Most Happy Fella*.

Course designed for those interested in visual arts

Rob Fisher, sculptor, designer and author, will be the instructor for a new noncredit course at Penn State especially intended for persons with a high degree of interest in the visual arts.

The ten-week course, entitled "Design Continuum," begins Oct. 3, meeting each Tuesday from 7 to 9:30 p.m. in J. Orvis Keller Conference Center.

Offered as a continuing education service of the College of Arts and Architecture, the program will be of value to artists, instructors, graphic and interior designers, dancers, directors and actors—persons who have an advanced interest in the visual arts—as well as to nonartists who simply desire a greater perceptual insight into the visual environment.

The course will attempt to create for the participants a sense of visual order and definition; to provide a basic tool for both the observer and creator of forms; and to stimulate an awareness of sources, processes, materials and concepts relating to the nature of two- and three-dimensional form.

The course format will combine one-

WPSX Highlights

Mstislav Rostropovich, world renowned cellist and music director of the National Symphony Orchestra, performs works by Bach, Weber, Schumann, and Shostakovich in a recital for President Carter, Saturday, Sept. 23, at 9 p.m. on Recital Performances from the White House. The cellist is accompanied at the piano by his daughter Elena. Rostropovich is also featured Wednesday, Sept. 27, at 8 p.m. with the Berlin Philharmonic on Great Performances.

South African pianist Steven DeGroot, winner of the 1977 Van Cliburn International Quadrennial Piano Competition, joins Arthur Fiedler and the Boston Pops Orchestra, Sunday, Sept. 24, at 8 p.m. on Evening at Pops.

A new season of live performances from the Metropolitan Opera House in New York begins Monday, Sept. 25, at 8 p.m. as Live From the Met presents Verdi's *Otello*. The performance features Renata Scotta as Desdemona, Jon Vickers as Otello, and Cornell MacNeil as Iago.

People over 60 years of age are now taking college-level courses as diverse as Shakespeare and space science through a new program called "Elderhostel," designed to bring senior citizens to college campuses. Michael Caverella of Shippensburg State College tells about the program's first year in operation in Pennsylvania, Tuesday, Sept. 26, at 7:30 p.m. on Talkabout.

Political satirist Mark Russell presents 30 minutes of new comedy material on his first Mark Russell Comedy Special of the season, Tuesday, Sept. 26, at 8 p.m. Unrecognized until his death in 1965, Walter Anderson was a prolific artist who

escaped the confines of society by living and working on Horn Island off the Mississippi Gulf Coast. Thursday, Sept. 28, at 8:30 p.m., a 30-minute special called *The Islander* dramatizes Anderson's experiences — his relationship with his family and his desire to paint in isolation.

Thomas Hoving, former director of the Metropolitan Museum of Art, joins Arthur Fiedler Thursday, Sept. 28, at 9 p.m. on *Previn and the Pittsburgh* for an examination of the Impressionist movement in art and its influence on music.

Funding Sources

For further information,
call 865-1372

(324-1) The Commonwealth of Pennsylvania, Department of Education has issued guidelines for (Title I A) Continuing Education and Community Service grants. Priorities include: adult counseling, needs of older Americans, consumer education, improvement of local government, education needs of the voluntary sector, and expansion of educational opportunity. Final proposals are due by November. Preliminary ideas should be submitted for review as soon as possible, preferably by J. 15. For further information, contact G. A. Speerly or J. W. Jacobs at 865-0453 (Room 501 Keller Bldg). (Ref. BFB Memo 08/15/78)

(324-2) The HEW Office of Education has issued a notice of closing dates for transmittal of applications for FY 1979 for its Direct, Discretionary Grant Programs. More than 70 programs are reviewed. Sixteen additional OE programs will be announced later (Ref. 43 FR 37617-59, 08/23/78)

(324-3) The HEW National Institute of Mental Health is accepting for review, new, renewal, and supplemental applications for mental health services manpower development grants. Manpower training programs have an Oct 15 deadline. Special mental health programs have an Oct 11 deadline for renewals and a Nov. 1 deadline for new proposals. FY 1980 deadlines are: Renewal Feb. 1 and July 1, 1979; and new projects March 1 and July 1, 1979. (Ref. HEW/PHS/NIMH Memo 07/21/78)

Journalism educator

(Continued from page 1)

team would then fan out to a center such as Washington or Harrisburg to conduct interviews with appropriate sources. Penn State alumni would be asked for help in arranging appointments and interviews so that the students' field time would be fully utilized. The final step would be the preparation of articles to be offered to Pennsylvania editors after faculty editing.

"Besides providing our advanced students with a realistic working situation, such a course would give them something beyond student newspaper clippings for their portfolios," Dr. Blanchard explained. "Reporting on public affairs is applied social science."

Both students and faculty stand to benefit from the discussions now underway with Pennsylvania publishers about the possibility of establishing a service for them.

"The School of Journalism already has faculty expertise in this research," Dr. Blanchard noted, "and this would give faculty an opportunity to integrate professional activities, research and teaching."

"It's also important that journalism students be versed in survey research methodology. The 'man-in-the-street' survey concept is out of date."

Dr. Blanchard believes that journalism enrollments have peaked and will henceforth remain relatively stable, but he does foresee continued growth in the advertising major, which currently has 205 students.

"Advertising and marketing are two of the same coin," he pointed out, "and with the current limitations on business enrollments in the University, students who are interested in such areas as marketing have turned to us."

Several committees have been set up to develop programs which will help achieve University objectives. Describing one such project, Dr. Blanchard said:

"The University wants to increase minority enrollments. This is an area where we can help because there is still a

craving need for black journalists. We should use a Commonwealth Campus such as Delaware County to recruit potential black journalism majors. It's close to Philadelphia's large black population, and black newsmen are available to serve as leadership models. Students could commute to classes and take whatever preparatory courses they needed before being phased into our University Park professional program their junior year."

Developing stronger relations with the Pennsylvania media is another goal which would promote both the School's and the University's interests. As an important step in that direction, the School and the Pennsylvania Society of Newspaper Editors have reorganized their liaison committee, and similar relationships are being developed with State broadcasting and advertising professional organizations.

Dr. Blanchard is also seeking better liaison between the School, the College of Business Administration and other departments in Liberal Arts. He'd like to work out mutually beneficial relationships with various department faculties in developing continuing education modules for journalists.

To the achievement of all these objectives, Penn State's new Director brings a background of working news experience, the requisite academic passport, and the ability to survive as an administrator.

He worked as a full-time reporter in Wyoming, Montana and Utah. His B.S. '57 and M.S. '58 were granted by the Medill School of Journalism at Northwestern, his Ph.D. '61, by Syracuse. He held an American Political Science Association Congressional Fellowship and has written extensively during the past decade on government information issues, freedom of information and government-media relations. He has edited a book of readings, *Congress and the News Media*, and is currently co-authoring a book on government-media interaction. A former president of the American Society of Journalism Administrators, he served as an academic administrator and teacher at The American University for 13 years.

Submit invention disclosures promptly

If you think that you have made an invention, your best chance to make money and also gain deserved recognition is to submit an invention disclosure promptly, according to University Patent Counsel Robert F. Custard.

The following time sequence table links the steps of a typical inventive process with publication and invention disclosure timing:

Invention and Documentation Steps	Invention Disclosure Timing
Innovation — "know what to do" *	Premature
Conception — "know how to do it" *	Perfect
Reduction to practice — "make it work" *	Excellent
Preparation of a paper or a report — "describe it" *	Very good
Submission of a paper or a report — "send it in" *	Good, world-wide
Publication — "let the world know" *	Good, but only in U.S.
One year after publication — "dedicated to public" *	Too late, patent bar

"Usually, the most convenient time to submit an invention disclosure is when the draft of the first paper or report describing the development is completed," Dr. Custard says. "Submission at that time ordinarily permits the processing of the invention disclosure and the filing of patent papers before publication occurs."

Faculty are frequently invited to make oral presentations of recent research findings. If they believe that an invention has been made, they should be aware that "fragmentary publication" can occur which may hamper or prevent a later patent application. Similarly, a demonstration of a new device or process at a meeting may constitute "public use," which is the equivalent of publication, resulting in a patent bar one year later.

A U.S. Patent Application can be filed at any time before the expiration of one year after publication or public use. Patent rights in most foreign countries, however, are lost immediately if public disclosure precedes application for patent. Once publication or public use is a year old, an invention has been dedicated to the public. Since no organization can obtain a limited-term exclusive right to practice such inventions, most organizations are unwilling to invest the necessary developmental capital, and such inventions rarely gain their inherent commercial potential.

Inventions derived from Federal sponsorship funding must be reported promptly to the sponsor organizations. If not, the University loses the right to apply for related patents. Therefore, in order to preserve the patent rights for both the University and the individual inventors, an invention disclosure should be submitted promptly after the conception of the invention is completed. If there is a substantial time period between the conception and the reduction-to-practice, an additional invention disclosure describing the successful practice of the invention should be submitted after the reduction-to-practice.

The economic potential of University inventions is assessed by the Research Corporation of New York. Since this organization needs time to do its job, early submission of disclosures permits careful evaluation, increases the probability of selection for patenting, and enhances the potential for economic success during commercialization. Royalty income generated by University inventions is always shared with the inventors, and for those inventions that produce royalties, this direct income to the inventors can be substantial, continuing for the life of the patent.

Anyone desiring further information should refer to the University Inventors' Handbook or call Robert F. Custard, 865-1765.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. on Friday, September 18, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment Practices (FPE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled Vietnam area veteran.

ASSISTANT PROGRAM/BUDGET ANALYST — OFFICE OF BUDGET & PLANNING. Responsible to the Director of the Office of Budget and Planning. Assist in developing data and the analytical framework for the evaluation of program budget needs, effectiveness of resource utilization and program performance in meeting identified objectives for all major elements of the University program as a Bachelor's degree in accounting, economics or other related field and from one to two years of directly related experience is required. Experience in creative writing helpful. A Master's in Public Administration degree may be substituted for one year of directly related experience. This is a Fixed Term 1 appointment. Position terminates June 30, 1979.

COORDINATOR OF SERVICES FOR HANDICAPPED STUDENTS & STUDENT EMPLOYMENT SPECIALIST — STUDENT AFFAIRS, University Park. Responsible to the Vice President for Student Affairs for the development and implementation of programs and services for handicapped students and for the management of the Student Employment Office at the University Park Campus. Position requires a master's degree or equivalent in student personnel or related field with six months to one year of directly related experience, or a bachelor's degree or equivalent plus at least one to two years of directly related experience.

ADMINISTRATIVE AIDE — STUDENT AFFAIRS, University Park. Responsible to the Director of Student Aid for providing administrative assistance with the validation of information submitted by applicants. Bachelor's degree or equivalent plus one year and up to including two years of directly related experience is required. Previous work experience in a

technical area requiring high level communication skills is desired.

PLANNING ANALYST — INSTITUTE FOR RESEARCH, Capital Campus. Responsible to the Director of the Institute in undertaking research projects and assisting in the administration of Institute activities. Involves the preparation and processing of research proposals and responsible participation in research projects, including technical analyses and preparation of reports. Research projects generally deal with planning problems of a state, regional and community nature, familiarity with economic, social, but not environmental planning issues and analysis desired. Will be required to supervise graduate research assistants and office personnel as necessary. Master's degree in regional planning or equivalent study or training plus over one year and up to and including two years of directly related experience.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, Behrend College. Responsible to the Director of Student Affairs for the administration and coordination of the financial aid and job placement programs. Position requires a master's degree in student personnel or a related field with up to one year of directly related experience, or a bachelor's degree plus one to two years of directly related experience.

Arts roundup

(Continued from page 3)

civilizations. Fatehpur Sikri's "House of Religions," built by Akbar within reach of his palace, was the residence of various theologians engaged by Akbar to create a "true religion."

M. Herve's photographs are accompanied by quotations from Le Corbusier.

The exhibition is a presentation of the French Institute/Alliance Francaise-Federation of French Alliances in the United States, under the auspices of the Government of India Tourist Office and Air India. Its Penn State showing is sponsored by the University's Department of Architecture.

The Museum of Art's HUB Gallery will be open Monday through Friday from 9 a.m. to 5 p.m.

Penn State Intercom

A Statement from the Provost

I want to share with you an issue that affects all of us at University Park. The issue is whether some highly trained members of our security staff should be permitted to carry sidearms while performing their duties.

Involved are the protection and welfare of thousands of people who live and work on this campus. Students, faculty and staff members, and, indeed, all individuals who visit the University Park campus have the right to expect competent service and protection from our campus security officers in times of emergency. David Stormer, Director of University Safety, believes that some of the officers need to be armed to protect innocent victims, as well as themselves, in the event of extreme emergencies.

Mr. Stormer, therefore, has brought to us a recommendation, previously made in 1975, that certain members of his security staff carry sidearms. He proposes that approximately one-fourth of his staff be so equipped. Included would be only those officers who have been well trained in the use of weapons at the Commonwealth of Pennsylvania police academies, and who are undergoing continuous training to maintain their skills and proficiency. They would be instructed to use sidearms only for defensive purposes, and strictly as a last resort in life-threatening situations. The proposal has the full support of Ralph

E. Zilly, Vice President of Business, to whom Mr. Stormer reports.

The Department of Safety cites a noticeable increase in the number and severity of offenses involving assault and officer encounters with weapons. Fully one-half of such offenses are committed by persons from outside of the University community.

Following three particularly troublesome incidents this summer, Mr. Stormer directed certain of his qualified officers to carry sidearms. This practice was discontinued, effective September 21, until a fair and careful review could be made as the basis for a long-term decision.

Mr. Stormer points out that, without an adequately equipped security force, the University must rely, in cases of extreme emergency or violence, on either the State Police or on the State College Borough Police. The State Police recently moved its headquarters some distance from the campus, and the Borough Police may or may not be familiar with the University's buildings, people and special requirements.

The request points to the experience of American universities with outside, armed police as having been risky at best and sometimes tragic. Studies show that the large majority of universities, urban and rural, are now relying on their own armed security force. Penn State's security staff,

as you may know, is regarded widely as among the best in the nation.

I have asked the University Council, as a representative body, to study the issue and to recommend a course of action which will assist me in reaching a final decision. I have conferred also with the Faculty Advisory Committee and with a group of student leaders.

Dean Robert J. Scannell, Vice Chairman of the University Council, has agreed to preside over the Council in my place, so that I may be in a position, in the absence of President Oswald, to consider the Council's recommendation as objectively as possible. Further, I have asked Dean Scannell to proceed with a careful and early review over the next two to three weeks. The Council may choose to hold hearings and to call upon experts for consultation, or to adopt such other procedures as it deems necessary for a thoughtful re-examination of this issue and to the development of its recommendations. Several years ago, on this same issue, the Council served in the same capacity.

I hope that the issue can be heard and discussed in keeping with a true academic community — thoughtfully, carefully, and without jumping to hasty conclusions on either side of the question.

Edward D. Eddy
Provost

Senate to discuss progress on governance



The University Faculty Senate will hear an informational report on Associate Degree Program Review at its Oct. 3 meeting, which will be held at 2:10 p.m. in Room 112 Kern Graduate Bldg.

Under forensic business, the Senate will consider actions taken on 35 recommendations to increase faculty participation in governance. The recommendations were originally prepared in 1974 and were contained in the Friedman report.

The associate degree report was prepared by a subcommittee of the Senate Committee on Curricular Affairs as part of the internal program review process of the University. It summarizes general conclusions indicated by the reviews of individual programs.

The Committee makes five recommendations:

- 1) Additional financial support will be needed if certain programs are to achieve viability or to remain viable.
- 2) Many programs need to examine their objectives in light of changing needs.
- 3) More formal opportunities should be provided to secure meaningful dialogue among and between program faculties.
- 4) Program faculties should consider ways to increase placement of graduates.
- 5) The possibility of discontinuing programs lacking in all the above needs should be seriously considered.

The Committee also suggested that since associate degree programs in many instances provide students with an entrance to baccalaureate degree programs at University Park, the use of such vocationally oriented programs may need to be formally considered to resolve any resulting problems.

Except at Capitol Campus, variations in the use and acceptance of 800-level courses impose unequal restrictions on the transferability of a student into another program within the University, the committee said in its report, concluding "Some associate degree programs no longer fulfill the original mission of the two-year programs, i.e., to be vocationally oriented. Whether or not this should be the sole focus for such programs may need to be reexamined by the University community."

stickers will be tagged starting on that date. If you have not received a new sticker, contact your College or department parking representative or the University Parking Coordinator, 865-1412.

Employees may participate in tax deferred annuity plan

Regular full-time faculty and staff members of the University are reminded that they are eligible to participate in a program which allows them to set a portion of their salary aside for savings or retirement income and defer their income tax obligation at the same time.

Currently, more than 1,000 faculty and staff members are participating in this tax deferred annuity program through the three companies authorized by the University to provide this service. The

(Continued on page 4)

News in Brief

"Song of Roland" conference participants urged to register

University faculty and students planning to attend Roncevaux 778-1978, the conference on the Song of Roland, scheduled for the first week in October, have been asked to notify Dr. Gerard J. Brault, in Room 316 Burrows Bldg. (865-1492) as soon as possible, so that identification badges may be prepared. The conference is free and open to faculty and students.

Sponsored by the Institute for the Arts and Humanistic Studies, the meeting will commemorate the 12th century of the Battle of Roncevaux, the battle detailed in the Song of Roland. Twelve papers will be presented, including one by Jean-Charles Payen, of the Universite de Caen, a well-known medievalist who will present a paper in French on the treatment of violence in the epic Romance. His visit is sponsored by the French Embassy.

The conference begins at 6:30 p.m. on Thursday, Oct. 5, and concludes early in the afternoon on Saturday, Oct. 7. A complete schedule is available from Dr. Brault.

Retirement report available

Copies of the annual report of the State Employees' Retirement System as of Dec. 31, 1977, are available to faculty and staff who are members of that retirement plan. Persons at University Park who desire a copy may obtain one from their Personnel Representative. Employees at locations away from University Park may obtain a copy from their business or personnel office.



Provost Eddy examines painting presented by a delegation of 19 coal mining specialists from the People's Republic of China, who toured Penn State's mining instruction and research facilities Sept. 19-20. From left: Lee W. Saperstein, mining section head, the group's translator and the delegation head.

Verbal S.A.T. scores leveled off this year

Verbal S.A.T. scores leveled off this year, halting a nine-year decline, according to a report by The College Board.

But while the 1977-78 crop of highschoolers scored an average of 429 on the verbal section, math scores and high school grade point averages continued to slip.

Verbal scores peaked at 466 in 1968. At that time, the average math score was 492. It was 468 this year, down two points.

Men's scores were higher than women's on both sections of the test — 433 as opposed to 425 on the verbal, 494 to 444 on the math.

The College Board, in announcing the results, noted that during the past three years the decline in S.A.T. scores "has not been as precipitous as it was in the early 1970s."

However, officials said it was too early

to predict whether the leveling off in the verbal score heralded the end of the decline. They also noted that the mean grade-point average of the one million seniors taking this year's test had dropped to 3.09, as compared to 3.11 in 1977 and 3.12 in 1976.

New Business Reply specifications

The United States Postal Service has adopted a new Business Reply Format effective May 1, 1979. All distributors are required to use the new design. A copy of the new specifications may be obtained by calling Addressing Services at 865-4051.

Parking sticker reminder

Faculty and staff are reminded that new parking bumper stickers must be displayed at University Park by Oct. 1. Vehicles parked on campus without 1978-79

1978-79 Revised Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process

President Oswald has issued for immediate implementation the 1978-79 Revised Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process (PS-23). These administrative guidelines modify slightly those used in 1977-78 and are the direct result of suggestions made during the past year by (1) faculty review committees at the various levels, including last year's University Committee on Promotion and Tenure, (2) administrators who were involved in implementing the policy, (3) the Faculty Advisory Committee, (4) individual faculty members, and (5) members of the Provost's Staff who observed the process as it was implemented at the various levels. The changes that are reflected in the 1978-79 administrative guidelines are directed toward (1) increasing the efficiency and effectiveness of the process, (2) continuing to regularize the review procedures, (3) placing emphasis on objectivity as much as is appropriate and feasible, and (4) facilitating complete fairness and equitability within and among academic/administrative units.

Dr. Oswald emphasized that these revised administrative guidelines have been developed to implement the original policies of PS-23. None of the policies in PS-23 has been altered by these guideline revisions.

For easy reference, all segments of the administrative guidelines which have been modified are printed in bold face type.

Foreword

PS-23 was endorsed by the University Faculty Senate on May 6, 1975, and was subsequently approved for implementation by President Oswald effective July 1, 1975. Administrative guidelines for implementing PS-23 during 1975-76 accompanied the policy. In subsequent years the Administrative Guidelines have been revised to make the review process more effective and efficient. The guidelines, however, have not altered any of the basic policies of PS-23.

Since decisions on promotion and tenure are of utmost importance to each faculty member, as well as to the University, it is essential that the evaluation of each nominee be made with complete fairness and objectivity. The process and guidelines for PS-23 are designed to maximize these conditions by (1) emphasizing the need for appropriate factual information, (2) requiring that department, college, and campus units establish relevant criteria within the broad University goals, (3) making use of reasonable evaluative methods, and (4) by providing a mechanism for multiple reviews within the system. Following a third year of experience in implementing PS-23, and after receiving recommendations from various faculty members and administrators, the 1977-78 Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process have been modified to a very minor degree for implementation during the 1978-79 review cycle. As in earlier revisions, the 1978-79 guidelines have been developed to assure fairness, to regularize the dossiers, increase objectivity, and to reduce the introduction of possible irrelevancies into the process.

Faculty members who are promoted or who receive tenure are viewed by their colleagues as having demonstrated academic excellence. The policy is purposefully oriented to emphasize academic quality, in the broadest sense, as the central issue of concern with respect to promotion and tenure decisions. Neither the policy nor the guidelines are intended in any way to impede the full realization of academic excellence as represented by faculty members within a discipline, department, campus, or college. Indeed, academic and administrative units are urged to develop, specify, and consistently apply those criteria that are particularly appropriate to their area as long as such are consistent with University-wide criteria and policy.

1978-79 Revised Administrative Guidelines

I. EFFECTIVE DATE

The revised University promotion and tenure policy (PS-23) became effective on July 1, 1975.

II. APPLICABILITY

A. Faculty members appointed to a tenure-eligible position prior to July 1, 1975.

1. Procedures. The review procedures prescribed in the revised promotion and tenure policy apply in their entirety to all faculty members appointed to a tenure-eligible position prior to July 1, 1975; however, these revised procedures do not alter the basic conditions and rights under which faculty members employed prior to that date were appointed.

2. Substantive Policy Rights.

- a. Changes introduced in the revised promotion and tenure policy are primarily procedural rather than substantive. In the few instances in which the substantive

rights contained in the revised policy exceed the rights granted under the previous policy, the new rights are immediately extended to all faculty members appointed to a tenure-eligible position prior to July 1, 1975. These expanded rights are (1) the provision for longer periods for notification of nonreappointment in the first and second years of appointment, and (2) a more flexible accounting for years of service toward tenure.

- b. One provision in the new policy could potentially diminish the rights granted under previous policy. The new policy includes the provision of an additional year of provisional status if, through inadvertence, a faculty member is not notified of the award or denial of tenure by or before the end of the sixth year of appointment. This provision shall not apply retroactively to faculty members appointed to a tenure-eligible rank prior to July 1, 1975.

B. Faculty members serving in a non tenure-eligible position prior to July 1, 1975.

All aspects of the new promotion and tenure policy, procedural and substantive, apply in their entirety to faculty members who were serving in non tenure-eligible positions prior to July 1, 1975, and who may be promoted or reappointed to a tenure-eligible position on or after July 1, 1975.

C. Faculty members appointed to The Pennsylvania State University on or after July 1, 1975.

All aspects of the new promotion and tenure policy apply in their entirety to faculty appointments effective on or after July 1, 1975.

III. CRITERIA

The policy indicates that all candidates for promotion and tenure are to be evaluated in terms of their (1) teaching ability and effectiveness, (2) research competence, (3) scholarship and mastery of subject matter, and (4) service to the University and the public. Within each of these broad categories, specific criteria applicable to the academic unit and reflective of the professional responsibilities of the faculty member are to be defined. The policy requires that the responsibilities of faculty members within units be identified in order that "all parties to the process share common expectations and understandings." This provides for a more well-defined alignment of reward with function within each of the four major categories.

Concerning these specific criteria [as well as those additional expectations that are relevant to a particular unit(s)] college deans, the Dean of the University Libraries, the Dean of Academic Instruction for Commonwealth Campuses, the Deans of Behrend College and Capitol Campus, and the Director of Intercollege Research Programs and Facilities, with appropriate faculty participation, shall:

- A. Develop a written statement of criteria and expectations that is responsive to the academic demands of the particular discipline or unit. These criteria and expectations are to relate to the aforementioned University-wide categories. In addition, any special emphasis in criteria and expectations or areas of divergence from those usually applicable to the discipline for a given faculty member shall be identified. Special attention shall be given by the administrative officers to assure compatibility between a faculty member's responsibilities and the criteria and expectations applied to promotion and tenure decisions. The Dean of Academic Instruction for the Commonwealth Campuses and the college deans shall jointly develop expectations and standards for faculty members on Commonwealth Campuses.
- B. Specify the evaluative methods used to assess the extent to which a faculty member has met the pre-stated criteria and expectations.
- C. Assure that faculty members are regularly appraised of the criteria and expectations that relate to their respective responsibilities, and that they are advised by the appropriate academic or administrative officer of the general results of the evaluation of their performance in accordance with the policy.
- D. Provide a copy of criteria, expectations, and evaluative methods to the Provost of the University.

Regarding the evaluation of teaching effec-

tiveness, the University Faculty Senate (May 3, 1977) took legislative action on the following points and requested that they be included in the 1977-78 Administrative Guidelines for implementing PS-23.

- A. Recommendations regarding personnel actions must incorporate various kinds of information on teaching effectiveness. Specifically, the evaluation of teaching effectiveness should in all cases include faculty input.

- B. "All evaluations of teaching effectiveness should include student input. This student input shall include more than one form of evaluation drawn from students."

All information relating to the evaluation of teaching should be carefully documented and clearly summarized.

IV. REVIEW PROCEDURES

A. Establishment of Review Committees.

1. Campus, Department, College, University Libraries, and Intercollege Research Programs Review Committees.

- a. No later than October 1 of each year, campuses, departments, colleges, the University Libraries, and the Intercollege Research Programs shall establish promotion and tenure review committees and procedures subject to the guidelines for such reviews as set forth in the policy and as indicated below. Exceptions to the following guidelines may be approved by the Provost of the University; requests for exceptions shall be accompanied by documentation of support for the request by committee members, directors, or department heads of the unit concerned and who are directly affected by the exception, and these shall have the concurrence of the appropriate dean.

- (1) Members of the review committee shall be selected according to procedures approved by the faculty of the respective academic unit and by the appropriate administrative officer.

- (2) Only tenured faculty shall make recommendations about candidates for tenure.

- (3) Only faculty of higher rank than the candidate shall make recommendations about promotion.

- (4) Review committees shall have no fewer than three members.

- (5) For the review of Commonwealth Campus faculty only, the policy requires that a majority of the members of the committees at the department and college levels consist of faculty from the Commonwealth Campuses. Every attempt should be made, however, to include a mix of faculty members at the campuses and at University Park when possible, administratively feasible, and consistent with the policy.

- b. In addition to the required guidelines listed above, which are established by the policy, faculty members at the campuses, in the departments, colleges, the University Libraries, and the Intercollege Research Programs are urged to adopt the following additional optional guidelines:

- (1) Review committees should be limited to a maximum of seven members.

- (2) Committees should be selected proportionately as follows:

- (a) At least two-thirds of the membership elected by the faculty.

- (b) At least one-quarter of the membership appointed by the respective academic unit's administrative officer.

- (3) A majority of the faculty representatives should be full professors, and in the case of reviews for promotion from associate to full professor, the committee should be comprised solely of these full professors.

- (4) Committee chairman may be appointed by the appropriate academic administrator.

- c. No later than by October 1, all campus, college and University Libraries deans, and the Director of Intercollege Research Programs and Facilities shall submit to the Provost of the University a report describ-

ing the process adopted for establishing the review committees.

2. The University Promotion and Tenure Review Committee.

a. By June 30 of each year, the University Faculty Senate shall elect three members of the University Review Committee for two-year appointments.

b. One representative from among the recipients of the Lindback Award for Distinguished Teaching and one representative of the University's Evan Pugh Professors are selected annually by lot by the Provost of the University from among their respective groups and appointed to the University Review Committee.

c. The President of the University shall appoint three senior academic administrators to the University Review Committee annually.

d. For 1977-78, all members of the University Promotion and Tenure Review Committee shall have full voting authority in the evaluation of all candidates under review for promotion or tenure. **Beginning in 1978-79**, when a vote is taken on promotion to any rank, a majority of the University Committee members of the equivalent rank or higher must vote "Yes" in order for the promotion to be recommended. Similarly, only members of the University Committee who are tenured may vote on candidates for tenure.

e. The Provost of the University, with the Office of Personnel Administration, shall be responsible for developing and maintaining procedures and recommendations forms for use by the University Promotion and Tenure Review Committee. These forms and procedures shall be distributed for information to the various academic units, commensurate with the initiation of each year's promotion and tenure reviews. **Such forms to be used in preparing the dossiers can be obtained from Systems and Procedures, 225 Shields Building, or by calling 865-9568.**

B. Review Schedule.

1. By September 15 of each year, the Provost of the University shall advise the college deans, the Director of Intercollege Research Programs, the Dean of University Libraries, the Deans of Capitol Campus and Behrend College, and the Dean of Academic Instruction for Commonwealth Campuses of any changes to be incorporated into the guidelines for conducting promotion and tenure reviews, and advise them to proceed with promotion and tenure reviews in the respective academic units.

2. By October 15 of each year, the Office of Personnel Administration shall provide the college deans, the Dean of University Libraries, the Deans of Capitol Campus and Behrend College, and the Dean of Academic Instruction for Commonwealth Campuses with a report of all academic staff accumulating credit toward tenure within their respective units, indicating the number of years of credit earned toward tenure as of the next July 1, and identifying those subject to final tenure review.

3. The President of the University has accepted a March 14, 1978 recommendation of the University Faculty Senate to alter the schedule of reviews for faculty members holding provisional appointments. Faculty members beginning service at the University in 1978-79 normally will be reviewed during the second, fourth, and sixth years of service. Faculty members in service at the University prior to 1978-79 will continue on the schedule of 1, 3, 5, and 6 year reviews. (See PS-23, 9-78, for further details.)

4. Promotion and tenure reviews should begin immediately following notification by the Provost of the University.

5. Promotion and tenure recommendations from the Commonwealth Campuses shall be forwarded to the college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses as specified in the policy before December 1. The college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses shall be jointly responsible to coordinate the reviews at the campus, department, and college levels to allow for adequate periods of review at each

level.

6. Reviews for promotion and for the granting of tenure at the department level shall be completed by or before February 1.

7. Following the reviews at the college or University Libraries level, the positive recommendations made by the dean for promotion and for the granting of tenure shall be forwarded by the appropriate deans to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than March 15. This shall include those recommendations for promotion and for the granting of tenure for faculty members holding joint appointments in a college and in an Intercollege Research Program. The appropriate administrative officer shall promptly inform those faculty members who did not receive a positive recommendation.

8. The Director of the Intercollege Research Programs and Facilities is responsible for coordinating promotion reviews for personnel in the intercollege research programs. The Director shall forward positive recommendations for promotion to a college to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than March 15. The appropriate administrative officer shall promptly inform those personnel who did not receive a positive recommendation.

9. For faculty members holding joint appointments in two or more colleges, the positive recommendations shall be forwarded by the college responsible for the largest share of the salary.

10. At the same time that recommendations are forwarded to the Provost of the University, a summary of the general processes followed in the reviews shall also be forwarded, as specified in the policy along with a summary of the decisions/recommendations made at each review level (campus, department, and college) for promotion and tenure. Appropriate explanation and documentation regarding significant instances of differences in judgment shall also be submitted. (The colleges shall utilize comparable procedures, as appropriate, for evaluating nominees for promotion from instructor to assistant professor. The decisions of the college shall be reported to the Provost of the University.)

11. By May 1 of each year, deans shall also complete the reviews of all other faculty members who are either not subject to a final tenure decision that year nor recommended for promotion that year, and will insure that faculty members are appropriately informed of the results of the evaluation.

12. The University Promotion and Tenure Review Committee shall complete its deliberations and forward its recommendations for promotion and tenure through the Provost of the University to the President of the University no later than May 15 of each year. The President shall notify, in writing, all recipients of promotion and tenure awards. Copies will be provided to the appropriate deans, the Director of Intercollege Research Programs, campus directors, and the Office of Personnel Administration.

C. Nomination Process and Development of the Dossier.

1. Faculty members will be reviewed for promotion only after having first been nominated in one of the following ways:

a. Normally by an appropriate academic administrator.

b. A person may be nominated by the initial peer review committee after the committee has consulted with the appropriate administrative officer.

With respect to nominations from the Commonwealth Campuses, directors and deans should confer with each other regarding proposed nominations.

2. In the case of University Park candidates for promotion and/or tenure, department heads shall have responsibility for the development of the dossier. For faculty members on a Commonwealth Campus, development of a candidate's dossier is the responsibility of the Associate Director for Academic Affairs or the Assistant Director for Resident Instruction.

3. A standard format for organizing the material in the dossiers shall be used by all

academic units. Supplemental support materials (books, reprints, syllabi, etc.) shall be retained by the initial administrator and/or review committee and not forwarded with the dossier unless requested by those responsible for the next level of review. Deans and campus directors will receive copies of the format which shall be required for 1978-79. It is the responsibility of the deans and directors to inform faculty members and administrators in their respective areas of the content required in and format of the dossiers. Each faculty member shall assist in supplying relevant information for the dossier. As indicated above, department head, ADAA/ADRI, or other appropriate administrative officer is responsible for preparing an accurate, complete, and properly organized dossier for each candidate within his/her administrative area.

It is ultimately the responsibility of the dean to assure that each dossier sent forward follows the proper form and is authentic and complete. The University Committee will return to the dean any dossiers that have been inadequately prepared.

Dossiers should not usually contain the following items unless they are obviously appropriate and useful in making professional recommendations:

a. Evaluative statements written by the candidate.

b. Statements about a candidate's personal life unless they are germane to the quality of the candidate's work.

c. A vita which restates information presented elsewhere in the dossier.

d. Samples of the candidate's publications.

e. Letters of appreciation or thanks.

f. Course outlines.

4. All committees and administrators who have previously reviewed a candidate's dossier shall be informed if any factual changes are subsequently made in the original materials. Committees and administrators shall not receive the written statements of evaluation and recommendations made at subsequent review levels. Throughout the process, however, the privacy rights of individual candidates shall be respected.

5. All external letters of reference and evaluation shall be obtained by the relevant dean and included in the candidate's dossier. The dean may delegate such responsibility to the cognizant department head, but in no case should the candidate solicit letters directly. External letters are expected for all candidates for professor and/or tenure. They are optional for candidates at the associate professor level, unless promotion is recommended before tenure is granted.

The purpose of the external letters is to provide an objective evaluation of the candidate's achievements and reputation according to the criteria on which the individual is being judged. Critical evaluations are best sought from authoritative sources, as for example, experts with established reputations. In order to achieve the fullest objectivity, it is not desirable to solicit evaluations from former teachers, and students, and from colleagues who are not current with the individual's work. Letters from these and similar sources should be obtained when they can provide information about a candidate's performance that is not otherwise available.

D. Evaluative Role of Committees.

1. All individuals and committees responsible for evaluating a given candidate shall have the same factual record available.

2. Department heads, campus directors, and deans should collaborate with their respective committees to assure that all individuals on the committees are well informed about each candidate. Although it is not required, such administrators may serve as resource persons to those review committees representing the units for which they have responsibility; however, the administrators and the committees shall render independent judgments of the candidates under review.

3. Each review committee and each administrative officer shall summarize in writing their independent evaluation of a given candidate on each of the four general criteria. These evaluative statements, along with the recommendations, shall be inserted in the candidate's dossier. Each of the summaries shall be signed. When a candidate has not received a unanimous committee vote,

(Continued on page 4)

Guidelines

(Continued from page 3)

- the evaluation should include a discussion of the reasons for the divergent opinions.
- For candidates being considered for tenure, a summary of the first, third, and fifth-year reviews shall be included in the dossier by the campus, department, and college administrators.
 - Each succeeding level (locus) has the responsibility to review the preceding committee and administrator statements concerning each of the candidate's qualifications and the documentation. Particular emphasis should be given, however, at each of the review levels according to that level's own statement of criteria and consistent with the broader University criteria.
 - College (Programmatic):** Particular emphasis should be placed on the evaluation of teaching ability and effectiveness and evaluation of service to the University and to the public, in addition to research competence and scholarship and mastery of subject matter.
 - Department (Programmatic):** Particular emphasis should be placed on research competence and on scholarship and mastery of subject matter, in addition to teaching ability and effectiveness and service to the University and to the public.
 - College:** the college committee(s) review(s) department and/or campus recommendations for promotion and tenure in light of:
 - College criteria.
 - Documentation of accomplishments:
 - Equity among departments, and
 - Procedural fairness.
 - University:** the University committee reviews all previous recommendations for promotion and tenure in light of:
 - University criteria related to teaching ability and effectiveness, research competence, scholarship and mastery of subject matter, and service to the University and to the public.
 - Documentation of accomplishments:
 - Equity within and among colleges; and
 - Procedural fairness.
 - Faculty members at either Behrend College, Capital Campus, or at the College of Medicine will be reviewed using procedures similar to those for faculty at University Park.
 - Although a candidate's age and time-in-grade are not criteria for promotion, it is incumbent on the relevant administrator(s) to provide persuasive documentation to justify the promotion of a faculty member in instances that diverge in any significant way from the normal promotion pattern for a department, campus, or college.

Staff Vacancies

The following vacancies for positions classified as staff exist or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the University Employment Division, 400-1387 (ext. 111) or 475-1387. Applications for these staff vacancies will be accepted until 5 p.m. Oct. 5, 1978. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PROJECT ASSISTANT — EARTH AND MINERAL SCIENCES, University Park. The overall responsibility will be to conduct research in the area of surface chemistry of carbons. The work will involve measurement of surface area and densities of carbons, surface oxidation of carbon, ion-exchange and gasification rates of carbons as well as X-ray diffraction studies. Ph.D. desirable but not necessary. M.S. with background in science and/or engineering is necessary. This position will be for one year only.

THESES & PUBLICATIONS ASSISTANT — GRADUATE SCHOOL, University Park. Responsible to the Assistant to the Dean, Theses and Publications for the overall review, approval and administration processing of these, presented to the Graduate School. Coordinate with the Assistant to the Dean in producing the Graduate School catalog and editing and writing various other publications. A bachelor's degree, preferably in English or a communication field. Position requires mature person to handle graduate school contacts.

Penn Staters

Two professors of geochemistry have been invited by the Royal Swedish Academy of Sciences to participate in a Nobel Symposium next September. They are Dr. C. W. Burnham, head of the Department of Geochemistry, and Dr. H. L. Barnes, director of the Ore Deposits Research Section. The symposium will observe the bicentennial of the birth of Jöns Jacob Berzelius, the Swedish scientist recognized as one of the founders of modern chemistry. Its topic will be "Chemistry and Geochemistry of Solutions at High Temperature and Pressure." Only 25 foreign scientists have been invited to attend and present lectures. Dr. Burnham has been asked to speak on "Characteristics of Silicate Melts," while Dr. Barnes' subject will be "Thermodynamic Properties from Phase Equilibrium Measurements."

Dr. B. Lakshminarayana, professor of aerospace engineering, was one of the lecturers in a two-week advanced level course on "Fluid Dynamics of Turbomachinery," sponsored by the American Society of Mechanical Engineers Turbomachinery Institute at Iowa State University 4/7-18. This is the fourth such course sponsored by the Institute to provide an opportunity for participants to interact with a team of internationally known turbomachinery experts.

Raniero Corbellotti, professor and head of architecture, has been appointed by the National Council of Architectural Registration Boards to a seven-man national task force on education in architecture. The task force will examine accreditation standards. Prof. Corbellotti will represent the Middle Atlantic Region.

VADD coverage may be changed

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain and complete a new VADD enrollment card from your dean or administrative office and send it to the Employee Benefits Division, 133 Willard Bldg., by Oct. 31. All changes received by that date become effective Nov. 1.

If you should wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Biweekly Deduction
\$ 10,000	.50 single .70 family	.23 single .32 family
\$ 25,000	1.25 single 1.75 family	.57 single .80 family
\$ 50,000	2.50 single 3.50 family	1.15 single 1.61 family
\$100,000	5.00 single 7.00 family	3.30 single 3.23 family
\$150,000	7.50 single 10.50 family	3.46 single 4.84 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

No action is needed to continue your current coverage without change.

J. William Johnston, director of the Kern Graduate Commons, has been appointed by Governor Milton J. Eisenhower to the Visual Arts Advisory Panel of the Pennsylvania Council on the Arts. The panel's principal responsibility is to make recommendations concerning grants-in-aid to arts organizations throughout the State, as well as to consider policy recommendations to the Council on the Arts.

Dr. W. O. Luciw, librarian, Slavic Library Program, was a guest professor last summer at the Ukrainian Free University in Munich. He taught courses on the History of Ukrainian Pedagogy and the History of Kievan Rus' and Galician-Volynian Kingdom.

Obituaries

Raymond A. Pezanowski, a research associate at the Applied Research Lab, died Sept. 18. He was 81. A 1920 graduate of Penn State in animal husbandry, Mr. Dale also earned his M.S. in agricultural education at the University. He joined the faculty in 1950 and served as office manager for Penn State Extension correspondence courses until his retirement in 1961.

Edwin H. Dale, retired associate professor in the College of Agriculture, died Sept. 17. He was 81. A 1920 graduate of Penn State in animal husbandry, Mr. Dale also earned his M.S. in agricultural education at the University. He joined the faculty in 1950 and served as office manager for Penn State Extension correspondence courses until his retirement in 1961.

Funding Sources

For further information, call 865-1372

(325-1) **Technician Instruments Corp.** guidelines for its Grants for Research in Biomedical and Industrial Instrumentation are available. Technician wishes to identify and support significant academic research on novel concepts or technologies which can establish the basis for the development of products with commercial value. Preference will be given to innovative approaches and concepts with important advantages over existing methods. The one-year grants range up to \$100,000, renewals for a second year are possible. Third-year renewals are rare. Preliminary submissions forms, available from Maynard Kohler, are to be submitted to Technician Research Grant Program, c/o Dr. Morris H. Shamos, Technician Instruments Corp., 511 Benedict Ave., Tarrytown, N.Y. 10591.

FELLOWSHIPS
For further information contact at 320 Kern, 865-2514

(325-2) **National Endowment for the Humanities** (Attn: J. H. Jeter, Division of Fellowships, 806 15th St. N.W., Washington, D.C. 20506) invites applications for \$2,500 summer stipends for 1979 from faculty and staff. Applicants must be nominated by the University, which can nominate two junior nominees (not advanced degree in 1977 or later) and one more advanced nominee. For the purposes of these awards, each Campus of the University is considered a separate institution. The purpose of the award is to enable college teachers to pursue two consecutive months in full-time study and research in the humanities and humanistic social sciences. University Park faculty who wish to be nominated should obtain forms for applying from their College Dean or at the address given above, and submit them to 320 Kern Graduate Bldg., by Oct. 2, 1978. A selection committee will choose whom to nominate on the basis of who is considered most likely to get an award based on their plan of study and research and qualifications to carry out this plan. Faculty at other Campuses should apply through their Campus directors.

(325-3) **Danforth Fellowships** — Doctorate or M.F.A. Degree — Oct. 31

(325-4) **Fulbright Grants, Study Abroad Students** — Sept. 30

(325-5) **Office of Education** — Doctoral Dissertation Research Award and Faculty Research Award

(325-6) **Office of Education, Student Applications for Research Related to Education of the Handicapped** — Oct. 16, 1978, and March 16, 1979

(325-7) **Chicago Mercantile Exchange, Ph.D. Dissertation Fellowships** — Jan. 15, 1979

News in brief

(Continued from page 1)

three companies are The Equitable Life Assurance Society, Teachers Insurance and Annuity Association (TIAA) and The Variable Annuity Life Insurance Company (VALIC).

Employees who are interested in learning more about the individual programs of the three companies may do so by contacting:

J. Glenn Hawthorne (Equitable) (814)-238-0631
Gene Troiano (VALIC) (814)-234-0922
Bryant Mesick (VALIC) (814)-237-0586
Employee Benefits Division (TIAA) (814)-865-1473

The Equitable and VALIC have both reduced the administrative charges of their annuities within the past year.

Employees at locations other than University Park may also direct their inquiries to their Regional Personnel Officer or Business Manager or to the Employee Benefits Division, Room 133 Willard Bldg.

Course to examine black urban culture

"The Assessment of Human Needs in Relation to Black Urban Culture" is the title of a new, six-session, noncredit course to be offered at University Park beginning Oct. 3.

The course will examine conditions affecting black urban culture, including housing, health, religion, politics, education, and career assessment and planning.

Cordell Walker, employment specialist in the Division of Personnel Administration, is the instructor. He plans to explore cultural differences which may serve as a limiting factor in the educational and economic development of black Americans living in urban ghettos.

Enrollees will then assess how these differences inhibit the full participation of blacks in the economic and social life of the nation and discuss possibilities for improvement and change.

Classes will meet from 7 to 9 p.m. in the J. Orvis Keller Bldg., each Tuesday for six weeks. The fee includes the cost of instructional materials.

To reserve a place in the course, a continuing education service of the College of Human Development, call Continuing Education, (814) 865-3443, or visit the office in Room 309 Shields Bldg.

"Padre Padrone" to be screened

Padre Padrone, the first movie ever to win both the grand prize and the international critics' prize at the Cannes Film Festival, will be shown under the sponsorship of France-Cinema at 7 and 9 p.m. on Saturday, Sept. 30, and Monday, Oct. 2, in Room 112 Kern Bldg.

Originally made for Italian television, the film is the true story of a Sardinian shepherd's son who grew up to become a noted linguist. The boy was forced to leave school at six and spent his formative years in almost total isolation and ignorance before escaping to the Italian army, where he discovered more civilized alternatives to life.

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From the Trustee Docket

University to ask State for appropriation increase

The Trustees approved the submission of a Penn State appropriation request for 1979-80. The Board authorized a request in State support for an increase of \$18,175,000 over the 1978-79 State appropriation.

"About one-third of the requested increase in the appropriation is designed to avoid a further tuition increase," Provost Edward D. Eddy emphasized. "If this appropriation amount were achieved, we would be able to avoid a further increase in tuition rates for 1979-80."

Dr. Eddy said inflation was the key factor in the requested increase. Penn State's appropriations have not kept pace with rising costs over the past several years, and tuition has been forced up to compensate for the lack of State support.

Penn State's current tuition rate is the second highest for all public land-grant universities. It is more than 80 percent above the 1978-79 average for those institutions.

"To close the annual budget gaps," Dr. Eddy said, "the University has made internal budget cuts and reallocations of more than \$18.7 million since 1971-72."

Important considerations reflected in the appropriation request include the following:

- No significant change in enrollment in the mix of students is anticipated for 1979-80.

- Priority is given to provisions to cope with inflation, including provisions for employee salary adjustments and mediated staff benefit increases, and increased costs of fuel, utilities and other supplies and services.

- An increase of \$324,000 is requested for student financial assistance. The State student aid appropriation, which assists students whose needs are not met through other loan and grant programs, has not changed since 1973-74, while tuition has increased by 52 percent. The number of students filing applications for University student aid has increased by 86.5 percent during those years.

- Some \$296,000 in additional support is requested to meet the costs of opening and operating new or renovated facilities. These include a new Nursing Building at University Park and a Library Student Center at Delaware County.

- An increase in the per capita appropriation for Doctor of Medicine students at the Milton S. Eisenhower Medical Center — from \$7,465 to \$10,956 — is requested. The per capita appropriation for medical education has not changed since 1971-72, while tuition has increased by 344 percent.

- The request includes \$600,000 each for Library Acquisitions and Academic Equipment Replacement. Because of increased costs and limited funds, the number of volumes acquired by the University Libraries dropped by 8.2 percent last year. Academic equipment costs have increased while the ability of Penn State to purchase needed equipment has declined.

- In addition, an increase of \$600,000 to aid Penn State in its efforts to comply with State and Federal regulations is requested.

- These include renovations to comply with Section 504 of the Rehabilitation Act of 1973 mandating equal opportunity for qualified handicapped persons; modifications of more than 200 elevators to comply with State Department of Labor and Industry fire guidelines; and renovations to older buildings to meet State Department of Labor and Industry requirements.

- The total requested from the State for the 1979-80 fiscal year is \$130,156,000.

Also approved was a Capital Program Request that outlines spending for the first



Mr. Furtado

year of a five-year capital program plan. The plan is being recommended by the Physical Facilities Planning and Capital Program Review Commission, appointed in 1977 to review Penn State's physical plant resources, needs and commitments.

"To date, no capital appropriation bill has been passed by the Legislature for 1978-79," said Dr. Eddy. "As a result, the capital program request has been adjusted for the year's slippage in State authorizations."

Private giving up 21%

Private donations to the University reached an all-time high of nearly \$8 million in 1977-78 — up 21 percent over the previous year.

Charles W. Shaeffer, chairman of the Trustee Committee on Finance and also of the Penn State Fund Council, told the Board that in 1977-78 approximately \$7.9 million was contributed by Penn State alumni, friends, corporations and foundations.

Penn State must have private support in order to enrich programs and meet needs that cannot be supported by State funds. The \$7.9 million figure is encouraging, since it moves us well along the way toward our goal of \$10 million annually in private support by 1980, Mr. Shaeffer said.

While the total amount contributed this past year was up 21 percent, the number of gifts increased by 25 percent — to a record total of 34,436.

Alumni gave more than \$1.3 million, up 33 percent from last year, while contributions from friends remained about the same, at \$1.6 million. Giving from corporations, foundations and businesses was up sharply. Corporation support moved from \$2 million to \$2.7 million — up 36 percent; and foundation aid went from some \$800,000 to \$1.4 million, up 64 percent.

Giving from individuals, comprised of annual giving as well as of special or planned gifts from alumni and friends, increased 17 percent — to \$2,858,436. At the same time, the number of major donors (\$1,000 or more) was up 34 percent, to 278; and the number of Century Club members (\$100 or more) jumped 45 percent, to 4,624.

"The bulk of the donations — \$4.9 million — was designated for specific use in the 11 colleges," Mr. Shaeffer said.

Another \$500,000 was given for specific programs at Penn State's Commonwealth Campuses. Inter-College Research Programs received more than \$300,000; various student aid funds got \$1,405,838; and religious activities benefited from \$65,516.

UC administrator to head budget and planning office

Loren M. Furtado, an experienced administrator from the University of California, was named director of the Office of Budget and Planning, effective Oct. 1.

Mr. Furtado will report jointly to Dr. Stanley O. Ikenberry, senior vice president for administration, and Robert A. Patterson, senior vice president for finance



Dr. Schoch

and operations.

"In this period, when long range planning and careful budgeting are vital to the future of the University, we are pleased to have attracted a person of Mr. Furtado's outstanding ability and experience," Dr. Ikenberry said. "Mr. Furtado's experience in a complex research-oriented university will give him the background he needs to understand Penn State."

Dr. David S. Saxon, president of the University of California, noted that Mr. Furtado "has served the University of California with a steadfastness and integrity that few could match."

Mr. Furtado will serve as Penn State's principal officer for planning and budgeting. Included in his responsibilities are the development of operating and capital budgets, and the coordination of systems for academic, budgetary and capital program planning.

In addition, Mr. Furtado will be responsible for institutional research and analytical systems.

Mr. Furtado succeeds Chalmers C. Norris, who resigned in April 1978 to become Executive Coordinator of the Council for Postsecondary Education for the State of Washington.

Mr. Furtado has had broad experience in practically all facets of university administration. Between 1946 and 1960 he held several positions in the Controller's Office at the University of California at Berkeley.

He was appointed budget officer of the University of California in 1960, and, five years later, advanced to assistant vice president — planning and budgeting.

Mr. Furtado served as assistant vice president until July 1977, when he was named special assistant to President Saxon.

Mr. Furtado, who received his bachelor's degree at Berkeley in business administration, has acted as a consultant on management, planning and budgeting to colleges and universities in Nigeria, Guatemala, Mexico, Lebanon and the United States.

Professionally, Mr. Furtado has been active in several organizations. He has served as chairman of the Council on Business Affairs of the National Association of State Universities and Land-Grant Colleges, and of the National Association of College and University Business Officers. In 1971, he participated in the Carnegie Commission study of Financial Crises in Higher Education.

Schoch named as DuBois director

Dr. Jacqueline L. Schoch, active in education in the DuBois area for more than 25 years, has been appointed director of the DuBois Campus.

Dr. Schoch has served as associate director for academic affairs and assistant professor of education at DuBois since 1976. Before that, she was assistant director of resident instruction at the Campus for six years.

"We're pleased to have Dr. Schoch assume this position, since she is not only an experienced administrator and faculty member, but she also understands the special concerns and resources of the

DuBois area," said Dr. Edward D. Eddy, University Provost.

Dr. Schoch was formerly director of guidance and director of instruction for the DuBois Area School District. Prior to that, she was a guidance counselor and teacher of health and physical education in the district.

Her D.Ed. and M.Ed., both in counselor education, and her B.S. in health, physical education and recreation, are from Penn State.

Factors affecting planning for '80s discussed

Provost Edward D. Eddy and Dr. Stanley O. Ikenberry, senior vice president for administration, discussed with the Committee on Educational Policy the contents of a paper prepared by the steering committee which is guiding Penn State's long-range planning effort, and also reported to the committee the current status of the five-year planning and budgeting program.

Dr. Ikenberry reviewed with the Trustees the steering committee paper, which suggests that Penn State's future will be shaped very largely by four factors: population trends, financial forces, faculty and staff resources and Penn State's tradition as a land-grant institution.

Although Pennsylvania's population will remain relatively stable overall between 1975 and 1990, there will be a dramatic shift in the age distribution of Commonwealth residents, Dr. Ikenberry said. He noted that a decline of some 34 percent in the size of high school graduating classes between 1975 and 1990 is possible.

Between 1945 and 1965, Pennsylvania experienced a record number of births, with a peak of 255,000 in 1958. After 1965, the fertility rate dropped and birth levels declined steadily through 1976, when a low of 148,000 births was recorded, Dr. Ikenberry said.

He added, however, that because the effects of population changes in Pennsylvania are expected to vary from region to region, it is difficult to predict their precise impact on Penn State, and that this would be the major concern of one of the planning task forces.

Another force to be dealt with in the 1980s, Dr. Ikenberry pointed out, is the financial picture. Stringency may likely become a watchword of the day, Dr. Ikenberry said.

He noted that colleges and universities across the nation have been hard-pressed to cope with inflation, especially with respect to personnel compensation, library and equipment acquisitions, and utilities.

"We do not foresee any evidence of an early shift in these forces," he reported.

Forces influencing the nature of the faculty at Penn State and elsewhere will include the fact that the faculty will be growing older, Dr. Ikenberry noted. The proportion of tenured professors will rise. Changes in mandatory retirement policies may slow down retirement rates.

Dr. Ikenberry emphasized that Penn State's traditions and its historic commitments will also shape the University during the final portion of the 20th century.

Dr. Eddy reviewed with the committee key questions that each College and major administrative unit would be asked to consider in updating its five-year program and budget plans. One important consideration, he noted, would be a description of each College as it would likely be in the final year of the five-year plan.

Dr. Eddy also said Colleges and administrative units would be asked to report on actions they have taken to strengthen the quality of instructional programs and plans. He said Colleges would also be asked to report on plans in progress to eliminate, initiate, or expand research programs and on anticipated changes in public service functions during the next five years.

The most important aspect of the updated five-year plan, he said, would be its role in linking budgetary decisions with program priorities.

University Park Calendar

Sept. 28-Oct. 8

Special Events

Thursday, Sept. 28

Auditions for Internationale Dancers, a newly-formed performing group open to anyone in the University community, 8 p.m., Room 133 White.

Friday, Sept. 29

Sports: soccer, vs. West Virginia, 7 p.m., Jeffrey Field.

Forum on Black Affairs, Town and Gown Reception, 7:30-9:30 p.m., Colonial Room, Nittany Lion Inn.

Artists Series, Les Ballets Trockadero de Monte Carlo, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 30

Last date for November graduates to deliver doctoral theses to committees.

All-University Day.

Sports: football, vs. Texas Christian University, 1:30 p.m., Beaver Stadium.

France-Cinema, *Padre Padrone*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Les Ballets Trockadero de Monte Carlo, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 1

University Chapel Service, Charles Lupton, Office of Gifts and Endowments, 11 a.m., Music Bldg. Recital Hall.

Shaver's Creek Nature Center, Pioneer Crafts Festival, demonstrations, noon-5 p.m., Stone Valley.

Artists Series, Les Ballets Trockadero de Monte Carlo, performance for a young audience, 2 p.m., Eisenhower Auditorium.

Monday, Oct. 2

France-Cinema, *Padre Padrone*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. San Francisco, 7 p.m., Jeffrey Field.

Tuesday, Oct. 3

Fixed date for meetings involving Commonwealth Campus faculty.

Comp. Lit. Lecture, 12:15, talk, 1 p.m., Hotel State College, Philip Young, English, on "Born Decadent: The American Novel and Charles Brockden Brown."

Commonwealth Campus Caucus, 1 p.m., Room 106 Chambers.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: field hockey, vs. Bucknell, 3 p.m., Lady Lion Field.

Shakespeare Film, William, *Hamlet*, 6:30 p.m., Room 101 Chambers.

Comp. Lit. GSA Film, *The Virgin and the Gypsy*, based on the D. H. Lawrence novella, 7 and 9 p.m., Eisenhower Auditorium.



This cast bronze statue of an early 13th century Lord Saxion knight is from Museum of Art show, "The Song of Roland."

Artists Series film, Robert Wise and Jerome Robbins, 1961, *West Side Story*, 8 p.m., Eisenhower Auditorium.

Wednesday, Oct. 4

Shakespeare Film, William, *Hamlet*, 6:30 p.m., Room 101 Chambers.

Commonwealth Theatre, *Flight of the Phoenix*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. Rhode Island, 7 p.m., Jeffrey Field.

Members Night at the Museum, Friends of the Museum annual meeting (members only), 8 p.m., Museum of Art, Election of officers, annual reports.

Thursday, Oct. 5

University Theatre, Samuel Beckett, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

IAHS, *Roncevaux 778-1978*, conference on Song of Roland, through Saturday noon, Gerald J. Braut, French, on "The Song of Roland 778-1978," and Jean-Charles Payen, Université de Caen, on "Une poétique du génocide joyeux: devoir de violence et plaisir de tuer dans la Chanson de Roland," 8 p.m., Keller Bldg.

Friday, Oct. 6

Fixed date for meetings involving Commonwealth Campus faculty.

Sports: women's golf, EAAW championships 5FO film, Steven Spielberg, *Duel*, 7:30, 10 and 11:30 p.m., Room 102 Forum.

Shaver's Creek Nature Center, "Stars, Myths and Legends," 8 p.m., Stone Valley.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Artists Series, Joan Lippencott, organist, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Oct. 7

Fixed date for meetings involving Commonwealth Campus faculty.

Last date for final oral doctoral examinations for November graduates.

Last date for November graduates to deliver master's theses or papers to adviser.

Shaver's Creek Nature Center, Youth Leaders Workshop — by registration only, 8:55-10:30 a.m., 2:30 p.m., Stone Valley.

Dog Day Afternoon, working dog demonstrations, 12:30 p.m., fields west of Beaver Stadium.

Sports: women's golf, EAAW championships: women's cross country, vs. Ohio State, field hockey, vs. Rutgers, 2 p.m., Lady Lion Field.

France-Cinema, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Sunday, Oct. 8

University Chapel Service, Quentin Schaut, O.S.B., Catholic Center, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Autumn Ramble, 2 p.m., Stone Valley.

Seminars

Friday, Sept. 29

Analytical Chemistry, J. Jordan, chemistry, on "Current Research Interests," 11:10 a.m., Room 333 Whitmore.

Monday, Oct. 2

Biochemistry and Biophysics, Gilbert Ashwell, National Institute of Health, title to be announced, 3:55 p.m., Room 101 Altshouse.

Tuesday, Oct. 3

Air Pollution Control, John P. Egan, DER, Williamsport, Pa., on "The Role of Air Pollution Control Engineers," 2:20 p.m., Room 140 Fenske.

Chemical Engineering, William L. Kelley, duPont Company, on "Industrial Applications of Plastic Materials," 3:45 p.m., Room 140 Fenske.

Engineering Science and Mechanics, Richard C. Nelson, Biomechanics Lab, PSU, on "Recent Developments in the Biomechanics of Sports," 4 p.m., Room 323 Hammond.

Inorganic Chemistry, Gregory L. Geoffroy, chemistry, on "Synthesis, Dynamics and Reactivity of Mixed-Metal Organometallic Clusters," 8 p.m., Room 333 Whitmore.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Wednesday, Oct. 4

Plant Pathology, Janis Vondryes, graduate student, on "The Effect of Tropical Climatic Conditions on Control Costs and Decisions," 3:55 p.m., Room 112 Buckhout.

Thursday, Oct. 5

Ceramic Science, Roland B. Snow, Pittsburgh, on "Refractories and the Blast Furnace," 11 a.m., Room 301 Stridle.

Chemistry, L. H. Pignolet, University of Minnesota, on "Catalytic Decarbonylation Reactions via Transition Metal Complexes," 12:45 p.m., Room 333 Whitmore.

Anthropology, Mary Ann Harrell, special publications editor, National Geographic Society, on "Writing and Photographic Documentation for the Public," 3:30 p.m., Room 101 Kern.

Physics, J. Budnick, University of Connecticut, on "NMR Studies of Selective Site Substitution in Ordered Ferroelectric Systems," 3:50 p.m., Room 117 Osmond.

Exhibits

Anthropology Museum: open 9 a.m.-1 p.m., Monday, Tuesday and Wednesday, North African ceramics; materials from Afghanistan.

Chambers Gallery: Joan Novosel-Beittel, paintings, and Kenneth R. Beittel, ceramics.

HUB Gallery: Central Penna. Guild of Craftsman exhibit, and Homecoming shows, both open Oct. 1.

Kern Commons Gallery: David Rubello, paintings, and Barbara Garrison, prints and etchings, through Sept. 30. Woodcarver's Association, woodcarvings, opens Oct. 1.

Museum of Art: open noon-5 p.m., daily. Closed Mondays. John F. Kensett, drawings. European paintings, drawings and sculpture from the permanent collection. Oriental works of art from the permanent collection. "The Song of Roland," opens Oct. 1.

Museum of Art HUB Gallery: open 9 a.m.-5 p.m., Monday through Friday. Lucien Hervé, French architectural photographer. "A Modern 16th Century City: Fatehpur Sikri."

Pattee Galleries: George Kleiman, acrylic paintings, East Corridor Gallery: Dave DiPietro, drawings. Lending Services Lobby.

Robeson Cultural Center: Liani Foster, paintings, sculpture and fabric designs, through Sept. 30.

Zoller Gallery: open 8 a.m.-5 p.m., weekdays, noon-5 p.m., weekends. "American Snapshots, Photographs with a Capital P," photos from family albums, through Sept. 30.

WPSX Highlights

Two special dance programs featuring Twyla Tharp will be presented Saturday, Sept. 30, beginning at 8 p.m. on **Great Performances** with a presentation of Tharp's dance, "Sue's Leg," with music by Fats Waller. At 9 p.m., **Making Television Dance** features Tharp in works produced specially for television and in rehearsal with Mikhail Baryshnikov.

Opium Trilogy, a special three-part report which begins Sunday, Oct. 1, at 8 p.m., surveys the problem of heroin addiction worldwide. In the first program, "The Warlords," a massive criminal network which begins with Burmese army chieftains is documented. Part 2 — "The Politicians" — airing Monday, Oct. 2, at 8 p.m., deals with an offer by traffickers to sell the U.S. government \$35 million worth of opium to be destroyed. In Part 3 — "The White Powder Opera" — airing Tuesday, Oct. 3, at 8 p.m. — **Opium Trilogy** focuses on Hong Kong's 100,000 heroin users.

Channel 3 presents live coverage of the \$175,000 Transamerica Open Tennis Championships beginning Sunday, Oct. 1, at 10 p.m. Bud Collins, Donald Dell, and Barry McKay cover the event from San Francisco. Live coverage continues with the finals on Monday, Oct. 2, at 9 p.m.

Pennsylvania Secretary of Education Caryl Kline is among the guests who reflect on the high cost of a college education at Pennsylvania's State-owned and State-related colleges and universities, Tuesday, Oct. 3, at 7:30 p.m. on **Talkabout**.

Cinema Showcase, a collection of ten recent international films, premieres on Tuesday, Oct. 3, at 9 p.m. with *Pumping Iron*. The 1977 film is George Butler and Jerome Gary's documentary look at the bodybuilding mystique, and focuses on Arnold Schwarzenegger, six-time winner of the Mr. Olympia title.

Beverly Sills stars in the New York City Opera's new production of Rossini's opera *The Turk in Italy*, Wednesday, Oct. 4, at 8 p.m. on **Great Performances**. Live from Lincoln Center. The opera, which will be sung in English, tells of an Italian noblewoman and her loves.

Tuesday, Oct. 5, at 9 p.m., **Struggle for Israel** chronicles the historical events which led to the establishment of the State of Israel in 1948. The documentary attempts an objective look at the "Palestine problem," beginning in 1900 when Palestine was part of the Ottoman Empire.

Shaver's Creek Center offers autumn lore

The Shaver's Creek Nature Center at Stone Valley has scheduled a series of walks, rambles and explorations during fall term, designed to heighten the natural glories of autumn for young and old alike.

On Sunday, Oct. 1, the Nature Center will sponsor its third annual Old Time Crafts Festival from noon to 5 p.m. Artisans will be on hand to demonstrate the use of old tools, wood working, spinning, weaving, stone cutting, and herb lore.

An evening of star gazing, myths and legends will be held on Friday, Oct. 6, weather permitting, beginning at 8 p.m. Gazers and tall-tale tellers should meet at the Nature Center.

On Sunday, Oct. 8, Stone Valley will host an autumn ramble. The two-hour trek through the park will start at 2 p.m.

Monday, Oct. 16, will feature another stroll, this one, nocturnal. If the weather cooperates, there will be a full autumn moon for this 8:30 p.m. to 10 p.m. walk.

An overnight camping expedition promises to be one of the highlights of the year at Stone Valley. It will be held from 7 p.m. Friday, Oct. 20, until 10 a.m. Saturday morning, Oct. 21. This campout is open to boys and girls nine years or older, by registration only, \$5 per child.

Call 865-1851 for reservations.

A history walk will be the order of the afternoon on Sunday, Oct. 22, from 2 p.m. to 4 p.m. As vegetation dies in the fall, traces of the past become more visible — old homestead sites, grave yards, charcoal mounds, and iron furnaces.

The weekend preceding Halloween will feature two more wilderness prowls — one on Friday evening, Oct. 27, from 8 p.m. to 10 p.m. and the other on Sunday afternoon, Oct. 29, from 2 p.m. to 4 p.m. Both trips will be fun for animal watchers.

On Sunday, Nov. 5, a demonstration of skinning and tanning animal hides will be held at the Nature Center from 2 to 4 p.m.

A roaring fire will provide the background for a fireside reading session on Sunday, Nov. 11. Participants are urged to bring along favorite poems or prose passages to share with other readers.

Sunday, Nov. 12, is the date set for an afternoon weed walk as the wildflowers of summer turn into delicate brown reminders of nature's cycle. The walk, which begins at 2 p.m., will last two hours.

The fall term Nature Center program will end with an afternoon of nature movies from 2 p.m. to 4 p.m. on Sunday, Nov. 19, at the Nature Center.

Penn State Intercom



From left: Prof. Babcock, Provost Eddy, Prof. Georgopoulos, Prof. Shepherd.

Four AMOCO teaching awards presented

Four Penn State faculty members have been named recipients of AMOCO Foundation Outstanding Teaching Awards, given to recognize excellence in teaching performance by senior faculty in the undergraduate program.

Provost Edward D. Eddy said the recipients were chosen from a group nominated by faculty and students and were recommended as finalists by a University Council committee consisting of faculty and students.

The awards, which include a check of \$1,000, were presented to Dr. Bruce S. Babcock, assistant professor of mathematics at York Campus; Dr. Peter D. Georgopoulos, associate professor of physics at Delaware County; Dr. Sara Clemen Parks, associate professor of dietetics at University Park, and Stanley J. Shepherd, associate professor of physics at University Park.

Dr. Babcock, in addition to making major course improvements and participating in committee assignments, was paid tribute last year by one of his former students who was the first

mathematics major in memory to graduate from the University with a perfect "A" average. The student said Dr. Babcock's instruction "was the first time I felt really intellectually challenged."

Dr. Georgopoulos has twice been selected the outstanding teacher at Delaware County. His peer ratings are high, and he is an active researcher, participating in experimental nuclear physics at the University of Pennsylvania and the University of Toronto.

Dr. Parks has had national recognition as an innovative educator in her field. She has resigned many of the courses in her area and is credited with having profound influence on her students.

Prof. Shepherd is a former winner of the College of Science Teaching Award. He is highly popular with students and has received many letters from students lauding his teaching ability.

This is the first year that AMOCO Foundation Outstanding Teaching Awards have been presented at Penn State.

The recipients were honored recently at a reception at University Park.

Council hears Stormer's reasons for arming officers

The University Council, meeting Sept. 26, heard Director of University Safety David Stormer outline reasons why he believes campus security officers should be permitted to carry sidearms.

The Council will make a recommendation Oct. 19 on the sidearms question to Provost Edward D. Eddy, acting in the absence of President Oswald. Dean Robert J. Scannell, vice-chairman of the University Council, said the Council's recommendation would come after hearing views from the University community at an open meeting and also after talking with local law enforcement officials and possibly representatives from another university.

Mr. Stormer told the Council he believes it is "extremely hazardous" to bring in armed police only in crisis situations, citing the present policy of calling police from surrounding municipalities in situations where campus officers suspect the involvement of weapons.

Mr. Stormer said he advocates a single law enforcement agency with responsibility for the University Park campus. Options along those lines, he said, include contracting with the State College Borough Police, making an arrangement with the Pennsylvania State Police or arming some officers of the University Police Services.

He advised the Council that if the University chooses outside police protection, "Don't just call on them in a super-stressful situation. Give them a chance to work with and get to know the community. In a crisis situation, it's best to work with people you know."

At present, he said, local armed police are summoned by campus officers if they suspect weapon involvement in an incident at University Park. However,

campus officers cannot always determine weapon involvement in advance, he noted.

"Right now it's not a case of do we ignore the situation or take our chances and respond to it," he said. "We take our

Two open meetings will allow community to air views

Two open meetings for the University Park faculty, students and staff to present views on the question of campus security forces being permitted to carry sidearms will be held Thursday, Oct. 12, from 3 to 5 p.m. and from 7 to 9 p.m. in Kern Bldg. Auditorium.

Dean Robert J. Scannell, acting chief executive of University Council, announced tentative arrangements to be followed at the meeting. These arrangements are tentative until approved or modified by the Council at its Oct. 4 meeting.

Individuals or organizations desiring to speak should register in advance by calling Chester Gnat, assistant to the Provost, at 865-1301, by Wednesday noon, Oct. 11. There will be a ten-minute limit on each speaker.

Those who do not register in advance but who want to speak will be given time after scheduled speakers have concluded, if there is time available. All speakers must identify themselves. After each presentation, there will be time made available for members of the University Council to question the speaker.

chances. At some point, however, we're going to have to make a decision that we cannot and will not respond."

Since 1976 there have been 28 reported weapons-related incidents at University Park, said Mr. Stormer. He noted that 17 occurred this year and added that no strike related incidents were included in that total.

He said there are presently seven large universities in the United States with unarmed security staffs but pointed out that only two — the University of Delaware and Penn State — attempt to provide full law enforcement services.

"I perceive our mission as providing a full service law enforcement agency to the University community," he stated.

Mr. Stormer was questioned by Council members on whether the arming of campus officers would reduce the crime rate at University Park. He replied that it probably would not, citing figures from the Universities of Indiana and Georgia and Cornell University, where security forces are armed. The crime rates at those schools — deemed to be geographically comparable to University Park — are about the same as here, he reported.

He was asked if there was a possibility that campus police carrying arms could actually spark violence. Mr. Stormer replied that no study he had ever seen showed that to be the case.

"Based on the incidents of the past six months, how many times would campus police have had to draw weapons?" Dean Scannell asked.

"Probably once," Mr. Stormer replied. He was asked how many officers would

"Homeless" requests handled by new Pattee service

The envelope is from the Baker and Taylor Company and is addressed only to "The Pennsylvania State University, University Park, Pa. 16802."

"A couple of years ago, this might have been tossed in the wastebasket," says Frances Cable, senior assistant librarian. It wound up, however, at Mrs. Cable's desk because she directs the Penn State Publications Information Referral Service (PIRS) and is responsible for handling such "homeless" requests.

The letter from Baker and Taylor is typical of the approximately 100 queries received by PIRS each month. It had been sent to the Bookstore in McAllister Bldg. and from there was referred to the University Publications office in Wagner Bldg. Finally, it was passed on to the PIRS office in the Inter-Library Loan department of Pattee Library.

There Mrs. Cable was able to determine that the request was for a publication from a symposium held at Penn State in 1976. Although the symposium was held here, the proceedings were published by the U.S. government. PIRS then sent a note to Baker and Taylor explaining how the firm could obtain the publication.

"Many members of the administration and faculty are not aware that requests for

research are often misdirected or lost," says Mrs. Cable. PIRS was established in January 1976 to respond to this problem.

During the fiscal year ending in June 1978, 1,006 requests for publications were referred to PIRS because they were either addressed incorrectly or the address was not specific enough to get the mail to the right place. Once the requests came to Mrs. Cable, all but 29 were referred — a 97 percent success rate.

"The results were even better than that last month," she says. "Out of 100 requests, only one was not filled."

PIRS is a referral service, not a distribution point, explains Miriam Pierce, an associate librarian who works closely with Mrs. Cable on specific policy and decisions regarding the program.

She says that before the service began, no one was sure how many requests for publications were misrouted.

Despite the success of the program, both Mrs. Cable and Mrs. Pierce say they are not certain that all "homeless" requests are getting to PIRS. "I still feel that many are unfilled," Mrs. Pierce says.

The "homeless" requests come from colleges, universities, research centers, book dealers, businesses and industries all over the world. "Since most are legitimate

inquiries, it is detrimental to the University's reputation when these requests go unanswered because no one can determine the office responsible," Mrs. Cable says.

In addition to providing information, a benefit of the PIRS program has been to add 165 Penn State produced documents to the collection of the University Libraries since January 1977.

"We have also been helpful in getting some things reprinted," says Mrs. Cable, citing a 1963 publication on coal preparation which was out of print. "We received 11 requests for that work alone," she adds.

When PIRS receives a "homeless" request, Mrs. Cable checks on the availability of the publication. She may use the PIRS card file, Pattee's card catalog, or one of the many publication lists sent to her by institutes, departments and research centers throughout the campus. She may also consult the reference book, *Penn State Publications, A Finding Guide 1855-1975*, which she edited and compiled in cooperation with Mrs. Pierce.

Once the publication is located, the request is routed to the appropriate campus location. If the author cannot be

(Continued on page 2)

(Continued on page 2)

Penn Staters

Dr. Loren D. Tukey, professor of pomology, presented an invited paper at the XXth International Horticultural Congress in Sydney, Australia, in August. The paper was titled "Capital Investment in Labor and Machines for an Economical System of Fruit Production." Dr. Tukey also presented a research paper at the congress entitled "Orchard Bearing Potential, a Factor in Tree Form and Orchard Design."

Dr. Karel Culik, professor of computer science, presented a paper, "Parallel Computation on Parallel Computers," at the International Conference on Mathematical Studies of Information Processing at Kyoto University in August.

Dr. Rustum Roy, director of the Materials Research Laboratory, recently received an Annual Honor Award from the Association of Indians in America. Dr. Roy was one of four Americans — two of Indian heritage — to receive the honor, presented for "unique contributions to arts and letters and greater understanding between the peoples of India and America." The other recipients were novelist-journalist Ved Mehta of *The New Yorker* magazine, Milton B. Singer, professor of anthropology at the University of Chicago, and Ambassador Phillips Talbot of the India-U.S. Joint Sub-Committee on Education and Culture.

Dr. Frank Schmidt, professor of mechanical engineering, has been elected chairman of the Heat Transfer Division of the American Society of Mechanical Engineers (ASME).

Dr. Robert A. Bernheim, professor of chemistry, presented a plenary lecture at the September meeting of the American Chemical Society in Miami Beach. His topic was "Spectroscopy and Structure of Methylene." He also delivered an invited talk at the University of Pennsylvania on "Two Photon Excitation of Vacuum Ultraviolet Molecular Spectra."

Ruth M. Hand, Schuylkill County Extension home economist, will receive a Distinguished Service Award from the National Association of Extension Home Economists at their 44th annual meeting in Omaha, Neb., Oct. 16-19. She will be cited for her educational programs stressing self-improvement and clothing construction, her programs for the working woman, and her foods and health programs.

Dr. Charles O. Crawford, professor of rural sociology, was recently elected to the board of directors of the Pennsylvania Public Health Association for a three-year term.

Dr. Frederick M. Williams, associate professor of biology, recently presented an invited seminar, "A New, Testable Model of Multiple Nutrient Limitation: Implications to Cell Cultures, Whole Animals and Ecosystems," to Battelle Columbus Laboratories, Columbus, Ohio.

Dr. Ehud Gudes, assistant professor of computer science, spoke on "Storage Allocation for Access Path Minimization in Network Structured Data Bases" at an international conference on Data Bases: Improving Usability and Responsiveness at the Technion, Haifa, Israel.

Alice M. Hoffman, associate professor of labor studies, was recently a plenary-session speaker at the Danforth New Fellows Conference in Crete, Ill. Her talk was titled, "Oral History and its Implications for Historiography."

Dr. Mel S. Klein, director, Office of Student Activities, received the Alpha Tau Omega Distinguished Service Award for 1977-1978. The award is presented annually to a member of the University faculty or staff who has rendered distinguished service to the student body.



Dr. Leon R. Kneebone retired Oct. 1 with the rank of professor emeritus of botany and plant pathology, after 28 years with the University.

He will donate his personal library on mycology, mushrooms and edible fungi to the University. His collection of more than 600 books, periodicals, and journals will be placed in a special room in Pattee Library for use by students, faculty, and the general public.

A native of Bangor, Pa., Dr. Kneebone came to the University in 1938 and earned his B.S. in biological science. After four years in the Army Airborne Infantry, during which he served in New Guinea and the Philippines, he returned for graduate work. On the strength of his research in mycology, master's degree requirements were waived, and he received his Ph.D. in botany in 1950, the same year that he joined the University staff as an assistant professor. In 1953 he was named associate professor of botany, and in 1960 he became professor of botany and plant pathology.

Dr. Kneebone is well known for his work in all phases of mushroom growth and commercial production and has more than 100 publications to his credit.

Founder and chairman of the University's Mushroom Industry Short Course, he is an honorary life member of the mushroom growers associations of Great Britain and Northern Ireland, Australia and New Zealand and Canada. He is a member and former chairman of the International Commission on Mushroom Science.

Dr. Kneebone is also Scientific Advisor to the National Science Foundation Fellows, an honorary life member of the American Mushroom Institute, a member of the national Commission on Undergraduate Education in the Biological Sciences, and served for three years on the board of directors of the American Mushroom Institute.

He has been a consultant to the governments of Australia, the Dominican Republic, Jamaica and Haiti.

At Penn State, he served as chairman of the Graduate School Committee on Biological Science, was a member of the Faculty Advisory Council, and was program chairman for seven years and general chairman for four years of the Alumni Institute.

Following his retirement, Dr. Kneebone will travel as a consultant to the international mushroom industry. He and his wife, Elizabeth, will reside in State College, where they are active in many church and civic activities. They are the parents of three children.

Obituary

Word has been received of the death of Arthur W. Clyde, professor emeritus of agricultural engineering, on Aug. 15. A member of the faculty from 1931 to 1966, he served as acting head of his department from 1952-54. Prof. Clyde received B.S. and M.S. degrees at Iowa State College of Agriculture and Mechanic Arts and served on the faculty there from 1920 until his appointment at Penn State. His research centered around farm machinery and safety, and he was a recipient of the John Deere Gold Medal, one of the three highest honors of the American Society of Agricultural Engineers.

Dr. Sumer C. Aggarwal, professor of management science, was a visiting professor this past summer at the National University of Malaysia. He was invited to help the National University start a graduate program for master's degree candidates in industrial management. He also gave three seminars for faculty groups at two Malaysian universities and a fourth seminar for officers of the Malaysian Ministry of Industry and Trade.

James E. Stephenson Jr., associate professor of art, is having a one man show in Philadelphia at the Penrose Gallery of the Tyler School of Art through Oct. 17. Twenty of his hand-made brick shapes are on exhibit. He is also scheduled to exhibit later this month at the "Clay at Clay County" Invitational, the Rourke Gallery, Moorehead, Minn.

Three colored pencil drawings by Richard Alden, assistant professor of architecture, are on display at the Hansen Galleries in New York City. Mr. Alden is one of 10 artists whose works comprise an exhibition entitled "Contemporary Drawings."

Dr. Jeffrey S. Lannin, assistant professor of physics, presented two papers in September at the 14th International Conference on the Physics of Semiconductors in Edinburgh, Scotland. He discussed laser Raman studies of crystalline and amorphous phosphorus and arsenic.

Bookshelf

Dr. John P. Lowe, associate professor of chemistry, is the author of a new textbook, *Quantum Chemistry*, published by Academic Press.

The book, unlike the other available texts, is aimed at general rather than theoretical chemists, according to Dr. Lowe.

The 640-page volume takes the student from the elementary level to the current state of the art without assuming that the reader has any prior knowledge of quantum chemistry.

The introductory chapter reviews elementary wave theory and develops Schrödinger's time-independent equation. Subsequent chapters examine simple one-particle systems, and present discussion of simple treatment of many-electron atoms. This is followed by a presentation of postulates utilizing examples from the prior material, thus making this abstract subject appear more concrete to the reader. The second half of the volume is devoted to modern techniques and applications of quantum chemistry.

Dr. Lowe developed the text for senior college chemistry majors, graduate students and anyone else seeking a comprehensive reference in applications of modern quantum chemistry.

Geoffrey Godbey, associate professor of recreation and parks, is the principal author of a new book, *Recreation, Park and Leisure Services: Foundations, Organization, Administration*, published by the W. B. Saunders Company of Philadelphia, London and Toronto.

A college-level text, the book is an introduction to the principal types of organizations that provide recreation, park and leisure services and their roles in modern society.

Nine coauthors contributed sections to the book, among them Dr. Godbey's father and mother, Gordon C. Godbey is professor and associate dean for Continuing Education and Commonwealth Campuses in the College of Education. Sarah R. Godbey is chairman of the Patton Township Recreation Advisory Commission and served for 19 years on the State College park and recreation board.

Other Penn State faculty contributors are: Patricia Farrell, head of the Department of Recreation and Parks, and Frank Guadagnolo, assistant professor of recreation and parks.

Council

(Continued from page 1)

carry guns at a given time.

"The maximum would probably be seven — at the peak time between 1 a.m. and 4 a.m.," he said.

Would sidearms detract from the generally positive interaction among campus police and the University community? Mr. Stormer said he felt they would not.

In his presentation, Mr. Stormer outlined some of the history of campus security at University Park. The Department of Campus Patrol was established under the Department of Physical Plant in the 1920s. In those times, the mission of the patrol was to safeguard the property of the College. The Patrol had no responsibility for maintaining orderly conduct. The Pennsylvania State Police investigated most offenses.

Until 1956, Mr. Stormer said, officers on campus were armed. The use of sidearms was abandoned at that time, he said, "and as so often happens, practice became policy."

Under the new proposal to arm campus police, only officers who have been well trained in the use of weapons at Pennsylvania police academies and who are undergoing continuous training to maintain skills and proficiency would be issued weapons.

They would be instructed to use sidearms only for defensive purposes and strictly as a last resort in life-threatening situations.

Provost Edley, chairman of the University Council, vacated the chair because he must act on Council's recommendation in his capacity as acting chief executive of the University. Dean Scannell presided over the meeting.

The Council was expected to meet again Oct. 4 to hear from representatives of the Pennsylvania State Police and State College Borough Police. Dean Scannell also said there was a possibility that Council may hear from a police representative of Cornell University, which maintains an armed security staff. Dean Scannell said he would also investigate the possibility of bringing before Council a faculty member from the Department of Law Enforcement and Corrections provided he or she was knowledgeable about university security systems.

The University Council, formed in 1970 by the Board of Trustees to advise the President of the University, is designed to provide general University input. It consists of four students, four faculty members and four administrators.

New service

(Continued from page 1)

determined, a letter is sent asking for more information.

PIRS handles specific requests only. It does not locate publications by subject.

"We're concerned only about the requests that are inadequately addressed," Mrs. Cable says. "The underlying assumption is that no research is successful unless it is accessible."

"Homeless" requests for PIRS may be sent to Mrs. Cable at E107 Pattee Library.

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University Park Calendar

Oct. 5-15

Special Events

Thursday, Oct. 5

HUB Craft Center, course registration, through Oct. 8, Room 312 HUB. Call 863-0611 for information.

JAS. "Reneuveau 1778-1978," conference on *Song of Roland*, through Saturday noon.

Gerard J. Brault, French, on "The Song of Roland 1778-1978," and Jean-Charles Payen, Université de Caen, on "Une poétique du génocide joyeux: devoir de violence et plaisir de tuer dans la *Chanson de Roland*," 8 p.m., Keller Bldg.

University Theatre, Samuel Beckett, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Friday, Oct. 6

Fixed date for meetings involving Commonwealth Campus faculty.

Sports: women's golf, EAIAW championships. University Park/Commonwealth Campus. Medalists meeting, 11:30 a.m., Nittany Lion.

Commonplace Theatre, *Casablanca*, 7 and 9 p.m., Room 112 Kern.

SFO film, Steven Spielberg, *Duel*, 7, 8:30, 10 and 11:30 p.m., Room 102 Form.

Astronomy Sky Watch, 7:30-10 p.m., roof of Davey Lab.

Shaver's Creek Nature Center, "Stars, Myths and Legends," 8 p.m., Stone Valley.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Artists Series, Joan Lippincott, organist, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Oct. 7

Fixed date for meetings involving Commonwealth Campus faculty.

Last date for final oral doctoral examinations for November graduates.

Last date for November graduates to deliver master's theses or papers to adviser.

Shaver's Creek Nature Center, Youth Leaders Workshop, by registration only - 865-1851 - 9 a.m.-2:30 p.m., Stone Valley.

Sports: women's golf, EAIAW championships; women's cross country, vs. Ohio State, field hockey, vs. Rutgers, 2 p.m., Lady Lion Field.

Dog Day Afternoon, working dog demonstrations, 12:30-3 p.m., fields west of Beaver Stadium.

France-Cinema, *Truffaut, The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Sunday, Oct. 8

University Chapel Service, Quentin Schaut, O.S.B., Catholic Center, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, Autumn Ramble, 2 p.m., Stone Valley.

Commonplace Theatre, *Between Time and Timbuctu*, 7 and 9 p.m., Room 112 Kern.

Monday, Oct. 9

France-Cinema, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Accompanying Mr. Feldman will be Joanne Zagst Feldman, violinist with the Alard String Quartet, the Feldmans' 12-year-old son Stephen, also a cellist, and Jill Olson, pianist.

Three of the four sonatas on the program have not been widely performed - Joseph Bodin de Boismortier's Sonata for Two Cellos in B-flat Major, Maurice Ravel's Sonata for Violin and Cello, and Eugene Ysaÿe's Sonata for Solo Cello, opus 28.

Also on the program is Beethoven's Sonata in D Major, opus 102 No. 2 and Tchaikovsky's Variations on a Rococo Theme.

Mr. Feldman taught master classes in cello and coordinated the Chamber Music Workshop at the International String Conference held this past summer in

7 and 9 p.m., Room 112 Kern.
Master of Business Administration Assn. Lecture. Conrad R. Stenski, vice-president and general manager of Consumer Product Division, Corning Glass Works, on "The Business of Consumer Products Marketing," 7 p.m., Room 101 Kern.
Leonard Feldman, cello, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 10

Gallery Talk, Esther Sparks, The Art Institute of Chicago, on "The Artist as a Mirror of the American Society," 10:30 a.m., Museum of Art.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. William T. Bandy, Vanderbilt University, on "Poe's Debt to Baudelaire," 7 p.m., Room 101 Kern.

Shakespeare film, *Othello*, 8:30 p.m., Room 101 Chambers.

Comp. Lit. GSA film, Louis Malle, *The Fire Within*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. Bucknell, 7 p.m., Jeffrey Field.

English Colloquium, James F. Smith, English (Oglethorpe) on "Poe's Debt to Baudelaire," 8 p.m., Room 101 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Wednesday, Oct. 11

Sigma Delta Epsilon luncheon meeting, Elaine Kunze, graduate student, biochemistry, on "Experimental Uses of Rat Heart Cells," noon, Room 101-A Kern.

History of Modern Science Lecture, Gertrud Neuwirth, sociology, Carleton University, Ottawa, on "Methodological Assumptions and Rules Formulated in Germany by Dilthey, Rickert and Weber," 4 p.m., Room 101 Kern.

FSHA 410, Hispanic-American Fiesta, 5:30 p.m., Maple Room, Henderson. For reservations, 865-4771 or 865-4693.

Shakespeare film, *Maurice Evans, Macbeth*, 6:30 p.m., Room 101 Chambers.

France-Cinema, *The Overcoat*, 7 and 9 p.m., Room 112 Kern.

Mining Engineering Society Lecture, Joseph P. Brennan, president of Bituminous Coal Operators' Assn., will speak, 7:30 p.m., Room 26 Mineral Sciences.

Artists Series film, Jean Cocteau, 1946, *Beauty and the Beast*, 8 p.m., Eisenhower Auditorium.

Sports: women's volleyball, vs. Clarion, 8 p.m. University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Thursday, Oct. 12

Sports: baseball, vs. Shippensburg (2), 2 p.m., Beaver Field.

Public hearing to assess University sentiment on the question of whether campus security personnel should carry sidearms, 3-5 p.m., 7-9 p.m., Kern Bldg. Auditorium.

France-Cinema, *Varda, One Sing, the Other Does*, 7 and 9 p.m., Room to be announced.

Penn State Dames meeting, 8 p.m., Room 101

Kern.
University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Friday, Oct. 13

Sports: women's volleyball, Penn State Invitational; women's tennis, vs. Pittsburgh, 6 p.m., Nittany Courts.

France-Cinema, *One Sing, the Other Does*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Artists Series, The Manhattan Savoyards, Gilbert and Sullivan, *Patience*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 14

Sports: women's volleyball, Penn State Invitational; men's cross country, Penn State Open; women's cross country, vs. Michigan State, baseball, vs. St. Francis, Pa. (2), 1 p.m., Beaver Field; women's tennis, vs. William and Mary, 1 p.m., Nittany Courts.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 15

University Chapel Service, Joseph Barndt, clergyman and race relations consultant, New York City, 11 a.m., Eisenhower Chapel.

Sports: women's tennis, vs. Pennsylvania, 1 p.m., Nittany Courts.

Black Cultural Center Workshop, "Human and Inter-Group Relations," with Joseph Barndt and Others, 7 p.m., Eisenhower Chapel.

Seminars

Friday, Oct. 6

Analytical Chemistry, Robert N. Abernathy on "Mass Spectrometric Investigation of Proton Affinities," 11:10 a.m., Room 333 Whitmore.

Monday, Oct. 9

Ceramic Science, Jay R. Smyth, Iowa State University, on "The Grain Size Dependence of Microcrack Initiation in Brittle Materials," 11 a.m., Room 301 Seidle.

Biochemistry and Biophysics, R. B. Setlow, Brookhaven National Laboratory, on "Photochemical Damage to DNA," 3:55 p.m., Room 101 Althouse.

Computation Center, JCL (1 of 4), introductory programming background suggested, 7:30 p.m., Room 112 Osmond.

Tuesday, Oct. 10

Biochemistry and Biophysics, R. B. Setlow, Brookhaven National Laboratory, on "Repair of DNA and its Relevance to Cancer," 11:10 a.m., Room 101 Althouse.

Air Pollution Control, Betty van der Smisen, recreation and parks, on "Environmental Law," 2:20 p.m., Room 140 Fenske.

Chemical Engineering, James S. Ultman, chemical engineering, on "Engineering of Intensive Care for the Critically Ill Patient," 3:45 p.m., Room 140 Fenske.

Genetics, Stanley Person, biochemistry and

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

biophysics, on "Cell Fusion in Herpes Simplex Virus Infected Cells: The Processing, Intracellular Location and Alternative States of the Fusion Factor Glycoprotein," 3:55 p.m., Room 111 Mueller.

Engineering Science and Mechanics, Wilson Greatbatch, Wilson Greatbatch, Ltd., Clarence, N.Y., on "Cardiac Pacemakers," 4 p.m., Room 232 Hammond.

Wednesday, Oct. 11

Plant Pathology, Alice Davis on "Foreign Economics: Their Policies and Practices for Disease Control," 3:55 p.m., Room 112 Buckhout.

Thursday, Oct. 12

Ceramic Science, George C. Walther, ITRI/Fluoramics of Materials Division, on "Controlled Flow Kic Measurements of Si-Based Ceramics," 11 a.m., Room 301 Seidle.

Anthropology, Robert L. Burgess, human development and family studies, on "Techniques for Observing Patterns of Family Interaction: Illustrative Data from Abusive, Neglectful and Normal Families," 3:30 p.m., Room 101 Kern.

Physics, P.C. Hohenberg, Bell Labs, on "Critical Phenomena in Fluids," 3:50 p.m., Room 117 Osmond.

Computation Center, JCL (2 of 4), introductory programming background suggested, 7:30 p.m., Room 112 Osmond.

Friday, Oct. 13

Analytical Chemistry, Charles Bump on "Electrochemistry of a Synthetic Myoglobin Model," 11:10 a.m., Room 333 Whitmore.

Food Science, Alan H. King, Kelco Co., San Diego, on "Properties of Alginate and Xanthan Gum Food Stabilizers," 2:30 p.m., Room 3 Borland.

Exhibits

Chambers Gallery: Joan Novosel-Beitel, paintings, and Kenneth R. Beitel, ceramics.

HUB Gallery: Central Penna. Guild of Craftsman exhibit.

Kern Commons Gallery: Woodcarver's Association, woodcarvings, through Oct. 14.

"The Art of Boxing," paintings, prints and sculpture, opens Oct. 14.

Museum of Art: open noon-5 p.m. daily. Closed Mondays. John F. Kensett, drawings. European paintings, drawings and sculpture from the permanent collection. Oriental works of art from the permanent collection. "The Song of Roland."

Museum of Art HUB Gallery: open 9 a.m.-5 p.m., Monday through Friday. Lucien Hervé, French architectural photographer, "A Modern 18th Century City: Fatehpur Sikri," through Oct. 14.

Pattee Galleries: George Kliman, acrylic paintings, East Corridor Gallery; Dave DiPietro, drawings, Lending Services Lobby. Both through Oct. 10.

Arts Roundup

Feldman to offer concert

Leonard Feldman, cellist with the Alard String Quartet, will present his first concert of the season at 8:30 p.m. Saturday, Oct. 9, in the Music Bldg. Recital Hall.

Accompanying Mr. Feldman will be Joanne Zagst Feldman, violinist with the Alard String Quartet, the Feldmans' 12-year-old son Stephen, also a cellist, and Jill Olson, pianist.

Three of the four sonatas on the program have not been widely performed - Joseph Bodin de Boismortier's Sonata for Two Cellos in B-flat Major, Maurice Ravel's Sonata for Violin and Cello, and Eugene Ysaÿe's Sonata for Solo Cello, opus 28.

Also on the program is Beethoven's Sonata in D Major, opus 102 No. 2 and Tchaikovsky's Variations on a Rococo Theme.

Mr. Feldman taught master classes in cello and coordinated the Chamber Music Workshop at the International String Conference held this past summer in

Immaculata, Pa. He is an associate professor of music.

Chicago museum curator to present Oct. 10 talk

Esther Sparks, associate curator of prints and drawings at the Art Institute of Chicago, will present a Gallery Talk at 10:30 a.m. Tuesday, Oct. 10, in the Museum of Art. Her subject is "The Artist as a Mirror of American Society."

Ms. Sparks received her B.A. from the University of Chicago and her M.A. and Ph.D. from Northwestern University. She is a former member of the Illinois Arts Council and organized two of their exhibitions: "Illinois Sculptors" and "Painters and Sculptors in Illinois 1820-1945."

Prior to her appointment at the Art Institute, Ms. Sparks was curator of collections at Northwestern University and head of exhibitions at the Peoria, Ill., Art Museum.

Commons dinner-theatre to offer "Dames at Sea"

Dames at Sea, a spoof of the film musicals of the '30s, will be offered jointly by the



Tickets for the Manhattan Savoyard's Oct. 13 production of *Patience* will be on sale Oct. 12 and 13, 9 a.m. to 4 p.m., at the Artists Series HUB booth.

Penn State Thespians and the Kern Graduate Commons at an Un-Common Dinner Theatre Oct. 20, 21 and 22 in Room 112 Kern Bldg.

Tickets for the dinner-theatre package and for theatre only will go on sale at the

Kern Information Desk beginning Monday, Oct. 9, or reservations may be made by calling 865-1878.

Dinner preceding the play will feature steampunk round of beef with appropriate side dishes and beverages.

SUPPORT CENTRE COUNTY UNITED WAY



As of Sept. 28, the University community had donated \$21,445.50 toward its \$95,000 United Way Goal.

Remember to return your United Way contribution by Friday, Oct. 6. The Lion will be keeping us up-to-date each week on the progress of the campaign at Penn State.

WPSX Highlights

Opera star Leontyne Price performs in a special live concert presented in the East Room on the White House Sunday, Oct. 8, at 8 p.m. on *Real Performances from the White House*. The famous soprano's recital will include arias by Handel and Puccini, a group of songs by Richard Strauss, songs of five American composers, and several spirituals.

Pending Congressional issues are the weekly focus of *Congressional Outlook*, a new series premiering Monday, Oct. 9, at 7:30 p.m. Produced in cooperation with "Congressional Quarterly," the series is hosted by award-winning journalist Patrick Tyler, who introduces the series with a discussion on the future of the U.S. Navy. Scheduled to appear on the program are Admiral Isaac Kidd, Supreme Allied Commander of the Atlantic; Senator Gary Hart of Colorado; and Retired Admiral Elmo Zumwalt, Chief of Naval Operations during the Nixon Administration.

Visions, public television's weekly series of original dramas, returns for a new season Monday, Oct. 9, at 9 p.m. with a presentation of *Charlie Smith and the Fritter Tree*. The teleplay is based on the life of America's oldest living citizen, a former slave who is 135 years old.

One and a half million Pennsylvania students ride the bus to school under the care of 35,000 certified bus operators. This summer, 72 of those bus drivers completed for top awards in the Second Annual State School Bus Road-o, which is documented in a special Talkback presentation, Tuesday, Oct. 10, at 7:30 p.m.

The life and work of one of the world's most famous scientists is dramatized in a new five-part series, *Marie Curie*, which begins Wednesday, Oct. 11, at 8 p.m. Filmed on location in Great Britain and France, the programs follow Marie Curie's career, her discovery of radium with her husband, Pierre, recognition through two Nobel Prizes, and periods of personal tragedy and disappointment. The series will also be broadcast on Sundays at 7 p.m. beginning Oct. 15.

Pennsylvania gubernatorial candidates Peter Flaherty, Democrat, and Richard Thornburgh, Republican, respond to questions from reporters from around the State on *The PPTN Debate: Flaherty Vs. Thornburgh*, Thursday, Oct. 12, at 9 p.m.

News in Brief

Moser Award established

The "Moser Award for Excellence in Portuguese," a new scholarship, has been established and will first be presented in spring term, 1979, to an undergraduate recommended by the Department of Spanish, Italian and Portuguese and by the Scholarship Committee of the College of the Liberal Arts. It will provide tuition for one three- or four-credit course beyond Portuguese 2.

The fund has been endowed by Dr. Gerald M. Moser, professor emeritus of Portuguese at Penn State, to "bring to the University community an awareness of the significance of the Portuguese language as one of the international tongues of the world, and to facilitate its study beyond the elementary level by students."

All undergraduates who have fulfilled the minimum requirements for enrolling in Portuguese 3 or its equivalent may be considered for the award.

Dr. Moser retired from Penn State earlier this year, after 29 years on the faculty. He is widely known for his work in the Romance languages, and played a major role in developing Portuguese studies at the University.

Sky watch on Oct. 6

The Department of Astronomy and the Astronomy Club will sponsor a Sky Watch for the community from 7:30 to 10 p.m., Friday, Oct. 6, on the roof of Davey Laboratory. The show will go on whether the sky is clear or cloudy.

Using the Department's telescopes under the guidance of club members, visitors can expect to see the Andromeda Galaxy, a galaxy which is a twin to our own Milky Way; the globular cluster M-13, a ball of approximately 80,000 stars traveling through space; the Ring Nebula, a shell of gas surrounding an extremely hot star; Albrecht, the famous binary star with one orange star and one blue one; and the craters on the first quarter moon.

In addition the Astronomy Club will present a slide show and offer astronomical posters, postcards, charts, bumper stickers and Hansen Planetarium products for sale in the Astronomy Software Shop.

3 Campuses seek associate directors for academic affairs

Dr. William David, director of the Hazleton Campus; Dr. Harold Sargent, director of the Shenango Valley Campus; and Dr. Jacqueline Schoch, director of the DuBois Campus, announce the availability of the position of Associate Director for Academic Affairs at each of their Campuses.

The Associate Director for Academic Affairs will serve as the chief academic officer of the Campus. This individual will, under the supervision of the Campus director, be responsible for providing leadership and developing and maintaining academic programs in resident and continuing education. Other areas of responsibility include assessing local

Winter term reserve lists due

Reserve reading lists for winter term should be submitted to the Reserve Reading Room, W11 Pattee, on or before Oct. 17 to allow ample time for processing.

Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Reserve Reading Room.

1978 PIVOT now available

The latest issue of PIVOT, the widely praised poetry magazine now in its 28th year, has just appeared for sale at local bookstores.

In addition to the work of Penn State faculty, staff and students, this issue also contains poems by former U.S. Senator Eugene J. McCarthy and Lorin Maazel, conductor of the Cleveland Symphony Orchestra.

The founder and editor of PIVOT is Joseph L. Grucci, who retired from the University in 1974. Prof. Grucci conducted the University's poetry workshop for 24 years, and since his retirement has continued to edit PIVOT as an independent poetry journal.

Potential contributors and subscribers can reach the editor at 221 South Barnard St., State College, PA 16801.

Fayette to offer new associate degree program

A new, two-year associate degree program in Solar Heating and Cooling Technology will begin winter term at Fayette. It is believed to be the first of its kind in the Middle Atlantic and Northeast regions.

The teaching facility will consist mainly of the Campus's new solar technology laboratory. Equipment at the facility includes a large variety of solar collectors and a sophisticated array of electronic instrumentation and monitoring devices.

"The state of the art in solar technology

is already very advanced," Fayette Director Hugh Barclay said, "and we need this level of technology just to insure that our students will be exposed to current trends."

The program is designed to prepare solar technicians for the expanding solar and related industries. Students will learn to design, specify, test, and supervise installation and make cost estimates for residential and commercial solar energy-assisted heating and cooling systems.

Revised travel regulations available

Travel and business expense regulations for University faculty and staff have been revised and updated. These regulations became effective as of Oct. 1 and are reflected in the revised Travel Section of the University Policy Manual recently distributed to manual holders.

In addition, these regulations, covering both domestic and out-of-country travel, are contained in a pocket-size booklet entitled "Travel and Business Expense Regulations," which was published to replace the existing travel regulations booklet. These new booklets are available from the systems and Procedures, Room 225 Shields Bldg., 865-9568.

Oct. 8 run-a-thon to be sponsored by Panhel

The Panhellenic Council at the University is sponsoring a three-mile run-a-thon at 1 p.m. Sunday, Oct. 8, at the State College High School track. The money raised at the meet will be used to benefit a leukemia foundation for children.

There will be six separate divisions — three for men and three for women. The groups will be further split into age brackets — under 17, 18 to 35, and over 35. The winner of each of the six divisions will receive a trophy.

Registration for the run-a-thon is this week, from 8 a.m. to 5 p.m. on the ground floor of the HUB. A fee of \$3, which includes the price of a t-shirt, will be charged all entrants. Late registration will take place one hour before the start of the meet on Oct. 8.

For further information, call the Panhellenic Council at 865-3701.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the University Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 12, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSOCIATE HOSPITAL DIRECTOR/DIRECTOR OF FINANCIAL AFFAIRS — Hershey Responsible for the development, interpretation, and administration of the Hospital's policies on finance, accounting, insurance, admitting, internal controls, auditing, and maintenance of records and procedures. Position requires a bachelor's degree with major in accounting or equivalency, and five to seven years of directly related experience (preferably in a University teaching hospital).

PROGRAMMER A — Hershey Responsible to the Manager of Programming for analyzing the requirements of various systems and for the development of computer programs to fulfill these requirements. Position requires a bachelor's degree with knowledge of third generation computers and programming, plus one to two years of directly related experience, or an associate degree in data processing, plus two to four years of directly related experience.

ASSISTANT DIRECTOR, MBA PROGRAM, BUSINESS ADMINISTRATION, University Park. Responsible to the Director of the MBA Program for the recruiting and admission of MBA candidates as well as coordination and administration of the MBA Program. Position requires MBA degree or equivalent, plus one year of directly related knowledge and/or experience in the MBA Program. Position funded from July 1, 1978, through June 30, 1979.

Staff may register for temporary research support posts

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research

Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, and chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Div., 865-1387 (network 475-1387).

University still has time to control future, Provost says

Penn State still has the lead time to control its own future, Provost Edward D. Eddy told the University Faculty Senate at its Oct. 3 meeting.

"We are not plagued as yet by enrollment dips of truly serious consequence," Dr. Eddy said. "We have already in place a vast mechanism for responding to the changing needs of the nation and its people."

Reflecting on his concerns after 14 months as Provost, Dr. Eddy issued a call to faculty to show that "though diverse in disciplines, we are unified by more than a claim of administrative rhetoric or the common institutional title."

"The recession psychology obviously inhibits the healthy pursuit of research opportunities," he said. "We can convince ourselves that we are overworked and under-appreciated."

"We have a much bigger job to do."

"That job requires people who can rise above their pettiness and territories. It demands men and women who trust each other — to share in the common enterprise, to make the right decisions in their sphere of competence and to sense what is good and right for a modern university of quality."

To help prepare for the future, the Provost put forward five propositions:

— Since Penn State will obviously suffer less if it has adequate funding, everything possible should be done to obtain increased funds not only from the State but also from all other available sources.

— To remain solvent, student enrollments must be maintained, "at the levels we choose," to bring in tuition money and to justify continued public subsidies.

— To maintain enrollments, Penn State

must make itself even more attractive academically to students. In this regard, Dr. Eddy expressed deep concern about the quality of campus life.

"In many students on this and other campuses are missing too many opportunities for a rich, full collegiate experience," he said, offering as one example the lack of student participation in the Artists Series programs.

"In addition, along with many of you," Dr. Eddy continued, "I worry about the lack of integrity in the academic process, about the amount of academic dishonesty which some of us prefer to overlook, about the quality of life in the dormitories and the apartments around the State."

"It is idle to think that we can separate the rest of a student's life from his class hours. If we care enough about him and her as individuals in the classroom, then we care enough to want something better

outside the classroom, which at the least does not destroy or hinder what happens within the learning process."

— The only proven way for a public institution of higher education to make itself more attractive to undergraduate and graduate students is to develop a first-rate scholarly reputation and to offer students a first-rate educational experience of many dimensions.

— Finally, one major way to develop a first-rate reputation is by "placing great emphasis on the quality of the faculty and, necessarily, in our scheme of operation, on the graduate program with its concomitant relationship to the research effort."

"Administrators can plead for and can encourage, but they cannot create a superior faculty and a first-rate educational program," Dr. Eddy said.

"Only the faculty have this within their

(Continued on page 6)

October 12, 1978 Volume 8, Number 7

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PENN STATE ROOM
PATTEE L18

Penn State Intercom

Issue of arming campus police raised in Senate

Although it was not on the agenda, the issue of allowing campus security officers to carry sidearms was raised at the Oct. 3 meeting of the University Faculty Senate.

Provost Edward D. Eddy outlined to Senators the procedures which have been submitted to allow "an adequate summation of facts and expression of the reasonable sentiments of members of the faculty, staff and students."

(Full coverage of other aspects of the Provost's address appears in the article at the top of this page.)

The Provost noted that after consultation with the Faculty Advisory Committee, mutual agreement was reached on procedure. Subsequently Dr. Eddy requested that David Stormer, director of University Safety, ask members of his staff not to carry sidearms pending a full review of Mr. Stormer's recommendation.

University Council was selected "as the one fully representative body which we have under our governance system to examine the recommendation, to discuss it and to advise me," Dr. Eddy continued.

He also noted that a public hearing is scheduled for today (Oct. 12). Council has been soliciting written statements, and Mr. Stormer has made himself available to answer questions.

Dr. Philip A. Klein, professor of economics and chairman of the Faculty Affairs Committee, then asked for a suspension of Senate Rules to introduce a resolution, which was unanimously supported by the Committee.

The resolution read:

"The question of arming the campus police affects the general welfare of the University and so falls within the purview of Senate responsibilities (see Section I, (b) (5) of the Faculty Senate Constitution). It is further clear that the introduction of arms onto the campus would have a direct bearing on the atmosphere in which academic policy must be carried out. The University Faculty Senate feels strongly that a final decision regarding the appropriateness of adopting a policy of arming the campus police should not be taken without first seeking the views of the faculty of the University. The Senate is the appropriate forum through which such views should be aired, and a Senate discussion of this issue should be made on

the basis of all the relevant information, including most particularly the survey of the results of arming campus patrols at other universities recently made by David E. Stormer. We urge therefore that this information be made available to the Senate and that no decision be reached until such time as the Senate can study this and other relevant material, debate it, and give the advice and consultation its Constitutional responsibilities demand."

Suspension of Senate Rules requires unanimous consent from the membership, and it was blocked by Martha A. Adams, assistant dean for resident instruction in

(Continued on page 2)

Penn State's support termed inadequate

The Pennsylvania Department of Education was told Oct. 6 that Penn State is the "most inadequately and most inequitably" supported public institution of higher learning in the State.

"Here is the shocking truth: as the most complex, highly sophisticated educational institution in the Commonwealth, Penn State's appropriation is the lowest per student of any college or university in Pennsylvania," Provost Edward D. Eddy emphasized at a budget hearing sponsored by the Department of Education.

"In 1977-78," he added, "you (the State Board) recommended a 10.1 percent increase for State colleges — and 7.3 percent for the State-related universities."

"In 1978-79, you recommended 11 percent for the State colleges — and a little bit more than half — 6.2 percent — for the State-related."

He urged Board members to be bold and vigorous advocates of higher learning this year.

At the beginning of his testimony, Dr. Eddy noted that a pattern is emerging which has "serious, near disastrous consequences for higher education in the Commonwealth if you and others ignore it."

Penn State, he said, has suffered a consistent decline in real dollars in State funding. "It generated the funds to meet

(Continued on page 6)

Law enforcement agents need weapons, Council told

Law enforcement agents should carry guns, according to three witnesses, themselves law enforcement agents, who appeared before University Council at its Oct. 4 meeting.

The Council is gathering background information to help it in arriving at a recommendation by Oct. 19 on the question of whether University Park Police Service Officers should be permitted to carry sidearms. The recommendation has been requested by Provost Edward D. Eddy, acting in the absence of President Oswald.

"You have to ask yourself what you want on your campus," William McDaniel, director of public safety at Cornell University, said. "Do you want a law enforcement agency or do you want to call on local or State Police every time you have an incident, any one of which can lead to the necessity of being armed?"

Also appearing at the hearing were Frank Panuccio, a lieutenant in the State Police and commanding officer at the Rockview Barracks, and Elwood Williams Jr., chief of police in State College Borough.

Edwin J. Donovan, an instructor in community development at the University and a former New York City policeman, was a fourth expert witness at the hearing.

During the three-hour meeting, Council members discussed several issues raised by their questioning of the four men.

"Is it idealistic or naive to argue that a university community does differ from the rest of the community?" asked John D. Vairo, director of the Delaware County Campus. "I think that is a basic question we have to answer."

Dr. Roy C. Buck, professor of sociology, suggested that perhaps the University should get out of the law enforcement business.

"Maybe we should go back to the campus patrol," Dr. Buck said. "A university has no business in law enforcement if it is true to its ideology. A university is a vulnerable institution to be cared for by the citizenry. It must retain its vulnerability or it can't remain a university."

College of Health, Physical Education and Recreation Dean Robert J. Scannell,

acting chairman of the Council, suggested that "the issue might reduce itself to the fact that someone is going to be armed. Do we want that armed person to be a University employee or an employee of the Borough, the State or a local township?"

Dean Scannell also pointed out that the 12,000 Penn State students who live in

Open meetings today on arming of security officers

Two open meetings will be held today (Oct. 12) from 3 to 5 p.m. and from 7 to 9 p.m. in Kern Bldg. Auditorium to allow University Park faculty, students and staff to present their views on the question of arming campus security forces.

Individuals and organizations desiring to speak were asked to register in advance. However, persons who did not register will be given time after the scheduled speakers have concluded if time is available. They are asked to register with the Secretary at the meeting to insure that they are members of the University community and to permit them to be called upon as the meeting progresses.

There will be a ten-minute time limit on each presentation.

State College have raised no objections to the fact that the Borough police are armed. "Why are their perceptions different from those of the students living on the campus?" he asked.

A student member of the Council, Harry Leider, in response to a question from Lt. Panuccio about why he was concerned over the arming of campus forces, replied that he was afraid "somewhere along the road a mistake will be made." A second student, Richard Paternaude, said the student body erroneously thinks campus police are ill equipped and poorly trained.

Responding to Council members' questioning, Mr. McDaniel made the following points:

— His department spends about 90 percent of its time providing services that have nothing to do with crime.

— However, when firearms are needed,

(Continued on page 6)

Penn Staters

Dr. Richard G. Cunningham, vice president for research and graduate studies, has been elected president of the Engineers' Council for Professional Development. The council is responsible for the accreditation of engineering and engineering technology degree programs in the United States. It is supported by 17 national engineering and professional societies and by 12 technical societies associated with engineering disciplines.

Dr. John King Gamble, head of the Division of Social and Behavioral Sciences at The Behrend College, will be the general program chairman of the 12th annual conference of the Law of the Sea Institute at The Hague in the Netherlands in late October. Dr. Gamble is a member of the executive board of the Law of the Sea Institute and has participated in four previous conferences. He has also written, edited or co-edited six books on the law of the sea and related subjects. The theme of this conference is "Law of the Sea: Neglected Issues."

Dr. Joseph J. Villafranca, associate professor of chemistry, was honored recently with two awards, an Established Investigatorship of the American Heart Association (AHA) and the Outstanding Alumnus Award for 1978-79 from the State University of New York at Fredonia. Dr. Villafranca is one of only 30 awardees out of 180 applicants in the United States to receive an Investigatorship. According to the AHA, the Investigatorships are designed to assist talented professionals in developing research careers in academic medicine, biology, and biochemistry. Dr. Villafranca's major research interest is bio-physical studies of the control of enzymatic reactions.

A one-man exhibition by Richard Mayhew, associate professor of art, is on display at the Studio Museum in Harlem through Oct. 30. The exhibition is called "Richard Mayhew: An American Abstractist" and represents the artist's work from the late 1960s to the present. Mr. Mayhew's work is described in the Studio Museum's catalog as combining a 19th century love of nature and 20th century introspection. This introspection does not reflect the intensely private nature of abstract impressionism, but is instead linked to an ethnic group association.

Susan Dwyer-Shick, lecturer in anthropology at Ögonitz, presented a paper at the Ninth World Congress of Sociology in Uppsala, Sweden, Aug. 14-19. The paper, "Strategic Performance in a Language of Concealment," was based on sociolinguistic research carried out in Turkey during the summers of 1975 and 1976.

Dr. Evan Patishall, professor and chairman of behavioral science at Hershey, presented a paper, "Research and Training Issues for Behavioral Scientists in a Medical Setting," at the 9th World Congress of Sociology held at the University of Uppsala, Sweden.

Dr. Edwin W. Biederman Jr., assistant director of PennPatt, has written a chapter in the 1978 *Encyclopedia of Sedimentology* published by Dowden, Hutchinson and Ross, Stroudsburg, Pa. The chapter is entitled "Crude Oil Composition and Migration."

Women's gymnastics coach Judi Avener has been named women's coach of the year by a vote of coaches at the United States Gymnastics Federation Congress. Ms. Avener's Penn State team won the Association for Intercollegiate Athletics for Women team title last year. She also placed three women on the All-America list: Ann Carr, Lisa Ingebreitson and Jan Anthony.

Laurie M. Gunter, professor of nursing and human development at the University, is one of 39 new members recently elected

to the Institute of Medicine for five-year terms, beginning Jan. 1. The total Institute membership is 359. New members are selected by active members from among candidates chosen for major contributions to health and medicine or to related fields. The Institute promotes research on a broad range of health policy issues.

The American Petroleum Institute recently announced the publication of the second portion of the *Technical Data Book — Petroleum Refining*, Metric Edition. This edition, which should be completed in the next five years, is identical to the latest version of the English edition, except that all units are changed to the International System of Units (SI). This latest addition includes Chapter 6, "Density," and Chapter 7, "Thermal Properties."

Continuous maintenance and updating of the *Technical Data Book* is being carried out in the University's Department of Chemical Engineering under the direction of Professors Ronald P. Danner and Thomas E. Daubert. The work is sponsored by the Refining Department of the American Petroleum Institute. The 900-page, two-volume book has a worldwide distribution of more than 5,000 copies and has become a standard reference of the petroleum industry.

Dr. Theodore M. Hollis, associate professor of biology, gave an invited paper entitled "The Role of Fluid Mechanics in Atherogenesis" at a meeting sponsored by the National Science Foundation, Central Ohio Head Chapter, and The Ohio State University.

Robert W. Basile, professor and chairman of music, has been awarded the Certificate of Merit by the Yale School of Music Alumni Association for distinguished service in the field of music.

Obituary

George G. Weber, a County agent in York from 1917 until his retirement in 1951, died Sept. 24. He was 89.

Senate

(Continued from page 1)

the College of Health, Physical Education and Recreation, and a member of University Council. Prof. Adams stated that University Council had already arranged for an open hearing where community concerns could be expressed. (Dean Robert J. Scannell, who is temporarily, presiding over the Council, subsequently agreed, with the consent of the other members of the Council, to discuss their findings with the Faculty Affairs Committee at a time to be mutually decided.)

In response to a question about the timetable for his decision, Dr. Eddy said that he had asked Council to report within two to three weeks.

"This is an issue that is heavily emotional for many people," Dr. Eddy said. "What facts will be known in two or three weeks will not be expanded in two or three months." He added that in the view of Mr. Stormer the situation dictates that a decision be made promptly.

The Provost added that although he is committed to a timetable, he is willing to withhold a final decision until the Oct. 31 meeting of the Senate. He does not, however, wish to extend it beyond that date.

Senate Chairman Lee W. Saperstein noted that there are, within the rules of the Senate, other routes to get issues onto the Oct. 31 agenda without suspending the rules.

Dr. Klein told the Senate that he deplored greatly what he saw as a consistent pattern of excluding the Senate from discussion of controversial or difficult issues.

Senator Robert F. Schmalz, professor of geography, added that it was hard to argue intellectual questions in a factual vacuum and charged that the faculty had not been



Dr. Robert S. Brubaker, left, professor and head of Speech Communication, receives the John Henry Frizzell Trophy from Elmer Pifer, president of the Penn State Retired Staff Club. The trophy will be presented annually to the winner of the John Henry Frizzell All-University Public Speaking Contest. The contest, renamed a number of years ago to honor Prof. Frizzell, dates back 108 years, but the trophy is new and was donated by the Retired Staff Club.

AVS offers faculty 10,000 choices

New faculty may be interested in scanning the more than 20 catalogs compiled by the University's Audio Visual Services to describe the some 10,000 films and videotapes in the AVS collection.

The catalogs, compiled by subject, are available to faculty on request and are also on file in Pattee Library's reference department. Campus faculty will find copies in their libraries and instructional services offices.

Audio Visual Services handles all types of equipment for classroom showings and will arrange for student operators, although faculty are welcome to operate the equipment themselves if they wish. Films or videotapes may be scheduled by calling 865-6314. Those who only wish equipment should call 865-5400.

AVS will deliver small equipment items such as 16mm projectors and tape recorders to individual offices or other designated areas. Selected larger items, such as screens and video playback units, are delivered directly to classrooms for showings.

sufficiently informed on the factual issues involved in arming campus police.

(The University on Oct. 6 released a fact sheet describing occasions since 1972 when campus security personnel confronted armed individuals. The history of Penn State's security force as well as the situation prevailing at other campuses were also described.)

An informational report on associate degree program reviews was presented to the Senate by a subcommittee of the Committee on Curricular Affairs.

Under forensic business, senators were invited to provide input to a report reviewing progress on faculty participation in governance.

Senator John D. Sink, professor of meat science, noted that faculty participation in governance was hindering progress toward the establishment of a first-rate scholarly reputation for the University.

"Since our class hours are more or less inviolate," Dr. Sink said, "committee work comes out of the hide of something else — the time and effort devoted to scholarly pursuits, whether it is the time needed to develop courses to attract good students or the time to pursue research that might help make us nationally more visible."

Dr. John J. Coyle, head of the Department of Business Logistics and chairman of the joint committee which prepared the report, suggested that the burden on faculty may temporarily have been unusually heavy since increased participation in governance coincided with the University's internal review process.

Screening rooms are available in Room 25 Willard Bldg. and the Special Services Bldg., located just off Fox Hollow Road between Tofrees and University Park. Airport. These rooms may be scheduled by appointment either to preview films and videotapes or to evaluate materials being considered for acquisition.

Faculty evaluation is the determining factor in the selection of new films, so instructors are urged to notify AVS of any new films in their areas and to participate in the evaluation process. To talk with AVS materials specialists concerning acquisitions, or to consult with the reference staff about media housed at Penn State, call 865-6316.

Because of limitations on the supply of prints, projectors and operators, service must be granted on a first-come, first-served basis. Early requests will help avoid disappointments. Similarly, when persons are unable to use services which they have scheduled, early cancellation is appreciated.

In other comments, Dr. Walter B. Severs, professor of pharmacology at Hershey, said that except for the Capitol Campus, he could think of no other examples at the Campuses where shared governance was working well, a contention challenged by Engineering Dean Nunzio J. Palladino.

Dr. Donald Rung, professor and head of mathematics, pointed out that governance has many different meanings to the faculty.

"Part of the charge to the Senate is to develop a notion of what it is that faculty authority means," he said, "and in what sense we have things in common. I sometimes wonder if this body collectively — or the faculty — will come to the notion that it has some commonality and from that derives some authority."

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Oct. 12-22

Special Events

Thursday, Oct. 12

Public Hearing to assess University sentiment on the question of whether campus security personnel should carry sidearms, 3-5 and 7-9 p.m., Room 112 Kern.

Penn State Dames meeting, 8 p.m., Room 101 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

France-Cinema, *One Sings, the Other Doesn't*, 9:15 p.m., Room 112 Kern.

Friday, Oct. 13

Sports: women's volleyball, Penn State Invitational; women's tennis, vs. Pittsburgh, 6 p.m., Nittany Courts.

France-Cinema, *One Sings, the Other Doesn't*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Artists Series, The Manhattan Savoyards, Gilbert and Sullivan, *Patience*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 14

Sports: women's volleyball, Penn State Invitational; men's cross country, Penn State Open; women's cross country, vs. Michigan State; baseball, vs. St. Francis, Pa. (2), 1 p.m., Beaver Field; women's tennis, vs. William and Mary, 1 p.m., Nittany Courts.

University Theatre, *Waiting for Godot*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 15

University Chapel Service, Joseph Barndt, clergyman and race relations consultant, New York City, 11 a.m., Eisenhower Chapel.

Sports: women's tennis, vs. Pennsylvania, 1 p.m., Nittany Courts.

Black Cultural Center Workshop, "Human and Inter-Group Relations," with Joseph Barndt and others, 7 p.m., Eisenhower Chapel.

Monday, Oct. 16

Two Cultures Dialogue/Science, Technology and Health, Elmer A. Vastyan, Humanities, Hershey Medical Center, on "Creative Dying: Ethical and Technological Considerations," noon, Room 101 Kern.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Sigma Xi/Biology Lecture, G. Ledyard Stebbins, professor emeritus, University of California at Davis, on "A Geneticist Looks at the Future of Mankind," 7:30 p.m., Room 102 Forum.

Robert Trehy, baritone, 8:30 p.m., Music Bldg. Recital Hall.

Shaver's Creek Nature Center, "Walk When the Moon is Full," 8:30 p.m., Stone Valley.

Tuesday, Oct. 17

Deadline for reserve reading lists for winter term, Reserve Reading Room, W-11 Pattee. Comp. Lit. Luncheon, 12:15, talk, I. p.m., Hotel State College, W. LaMar Corp. German and Study Abroad Program, on "Universities in Southern Africa," 4 p.m., Room 101 Kern.

Colloquy, "The New Press," Virginia Eisenstein, State College attorney, on "First Amendment Rights," 1 p.m., HUB Main Lounge.

Shakespeare film, Paul Scofield, *King Lear*, 6:30 p.m., Room 101 Chambers.

Sports: soccer, vs. East Stroudsburg, 7 p.m., Jeffrey Field.

Archaeological Institute of America Lecture, Robert Bergman, Fogg Art Museum, Harvard University, on "Amalfi: The Medieval City and Its Monuments," 8 p.m., Room 301 HUB.

Wednesday, Oct. 18

Faculty Women's Club Lecture, Shirley P. Wheeler, author, on "Dr. Nina and the Panther," Her sister, Carol Sams of State College, will also take part in the program, 1:15 p.m., Eisenhower Chapel Memorial Lounge.

Shakespeare film, Paul Scofield, *King Lear*, 6:30 p.m., Room 101 Chambers.

Commonsplace Theatre, *Between Time and Imbuku*, 7 and 9 p.m., Room 102 Kern.

Afro-American Studies Forum Lecture, Julian Mayfield, writer in residence, Howard University, on "The Fusion of Afro-American and Negritude Literature," 7:30 p.m., Room 101 Kern.

Colloquy, "The New Press," Bob Woodward, Washington Post journalist, 8 p.m., Eisenhower Auditorium. Doors open, 7:15 p.m. Free.

Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 19

Sports: baseball, vs. Indiana, Pa. (2), 2 p.m., Beaver Field; field hockey, vs. Slippery Rock, 3 p.m., Lady Lion Field.

Department of Materials Science and Engineering, 1978 Nelson W. Taylor Lecture, Edward Teller, emeritus assoc. director of Lawrence Livermore Lab and emeritus professor, University of California, on "The Man-made Energy Shortage," 3:30 p.m., Room 26 Mineral Sciences Bldg.

Friday, Oct. 20

Sports: J.V. football, vs. Rutgers, 2 p.m., Intramural Field; international women's volleyball, U.S. National Team, vs. National Team of Japan, 7:30 p.m., Rec. Bldg.

Nelson W. Taylor Lecture, Edward Teller, Lawrence Livermore Lab and University of California, on "Progress in Controlled Fusion," 3:30 p.m., Room 117 Osmond.

Student/Alumni Reception, 5-7 p.m., HUB North Lounge.

SFO film, *Dark Star*, a sci fi film, 7:30 and 11 p.m., Room 102 Forum.

Shaver's Creek Nature Center, Adventure Series, "Explorers of the Night," by registration only, 8:05-10:51-7 p.m.-10 a.m., Saturday, Stone Valley.

Un-Common Theatre, *Dames at Sea*, 8 p.m., Room 112 Kern.

Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 21

Sports: football, vs. Syracuse (Homecoming), 1:30 p.m., Beaver Stadium.

Comp. Lit. CSA Film Series, R. Allen Kirkpatrick, underground film maker, shows and discusses some of his latest films, 7 p.m., Room 112 Chambers.

Un-Common Dinner Theatre, dinner, 6:30 p.m., *Dames at Sea*, 8 p.m., Kern Bldg.

University Center Committee, Van Morrison, and introducing Dave Edmunds' Rockpile, featuring Nick Lowe, 8 p.m., Rec. Bldg. Tickets go on sale Oct. 12 at 9 a.m., HUB Desk.

Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Schwab Auditorium Rededication Ceremony and Penn State Glee Club, 90th Anniversary Homecoming Concert, 8:30 p.m., Schwab.

Sunday, Oct. 22

Pre-Vet Club/Nittany Kennel Club, Fun Match Dog Show, 9 a.m., all fields south of Beaver Stadium.

University Chapel Service, Luther Harshbarger, humanities and religious studies, 11 a.m., Music Bldg. Recital Hall.

Shaver's Creek Nature Center, History Walk, "Reading the Landscape," 2 p.m., Stone Valley.

Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Gallery Talk, Dr. Ralph C. Marvco, New York City art collector and donor to the Museum's collection, on "An Aspect of Chinese Art," 4 p.m., Museum of Art.

Un-Common Dinner Theatre, 6:30 p.m., *Dames at Sea*, 8 p.m., Kern Bldg.

Seminars

Friday, Oct. 13

Analytical Chemistry, Charles Bump on "Electrochemistry of a Synthetic Myoglobin Model," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Michael Coleman, polymer science, on "Computer-Assisted Vibrational Spectroscopy of Polymers," 4 p.m., Room 333 Whitmore.

Monday, Oct. 16

Computation Center, "JCL (3 of 4)," introductory programming background suggested, 7:30 p.m., Room 112 Osmond.

Tuesday, Oct. 17

Biology, G. Ledyard Stebbins, emeritus, University of California, Davis, on "Chromosome Structure, Nuclear DNA Content and Plant Evolution," 12:45 p.m., Room 8 Mueller.

Air Pollution Control, Arian Zarkower, veterinary science, on "The Effect of Inhaled Pollutants on the Immune System," 2:20 p.m., Room 140 Fenske.

History, Charles D. Ameringer, Latin American history, on "José Figueres and Robert Vesco: The Fall of a Good Man," 2:30 p.m., Room 225 HUB.

Genetics, James Wright, Jr., biology, on "Substance and Impressions of the Moscow International Genetics Congress," 3:55 p.m., Room 111 Mueller.

Engineering Science and Mechanics, G. J. Bohm, Mechanics Analysis Group, Westinghouse, on "Seismic Qualification of Equipment," 4 p.m., Room 232 Hammond.

Inorganic Chemistry, Dave Roberts on "Synthesis and Reactivity of Metal Carbonyl Anions," 8 p.m., Room 333 Whitmore.

Wednesday, Oct. 18
Plant Pathology, Vern Elliott, on "Technical Resources for Decision Making, Private Consulting vs. Extension Services," 3:55 p.m., Room 112 Buckhout.



A Chinese tapestry of the 17th century Imperial K'o-ssu period, a gift of Dr. Ralph C. Marvco to the Museum of Art.

history, on "José Figueres and Robert Vesco: The Fall of a Good Man," 2:30 p.m., Room 225 HUB.

Genetics, James Wright, Jr., biology, on "Substance and Impressions of the Moscow International Genetics Congress," 3:55 p.m., Room 111 Mueller.

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Wednesday, Oct. 18
Plant Pathology, Vern Elliott, on "Technical Resources for Decision Making, Private Consulting vs. Extension Services," 3:55 p.m., Room 112 Buckhout.

Thursday, Oct. 19
Chemistry, R. H. Holm, Stanford University, on "Synthetic Analogs of Metalloprotein Active Sites," 12:45 p.m., Room 333 Whitmore.

Computer Science, Kurt Mehkhorn, University des Saarlandes, West Germany, on "Dynamic Binary Search," 4 p.m., Room 325 Whitmore.

Computation Center, "JCL (4 of 4)," introductory programming background suggested, 7:30 p.m., Room 112 Osmond.

Friday, Oct. 20
Analytical Chemistry, Chris K. Kohlmler on "Excitation in Low Pressure Helium Discharge," 11:10 a.m., Room 333 Whitmore.

Philosophy, Michel Haar, The Sorbonne, on "A Critical Approach to the Heideggerian Interpretation of Technology," 3:30 p.m., Room 101 Kern.

Physics/Solid State Sciences (Taylor Lecture),

Edward Teller, emeritus, University of California at Berkeley and Davis, on "Progress in Controlled Fusion," 3:50 p.m., Room 117 Osmond.

Physical Chemistry, Kermit Smyth, NBS, on "Opto-Galvanic Spectroscopy: A New Look at Atoms and Molecules," 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open 9 a.m.-1 p.m., Monday, Tuesday and Wednesday, Southwestern United States ceramics; Pre-Columbian exhibits.

Chambers Gallery: Joan Novotel-Beittel, paintings, and Kenneth R. Beittel, ceramics, through Oct. 17.

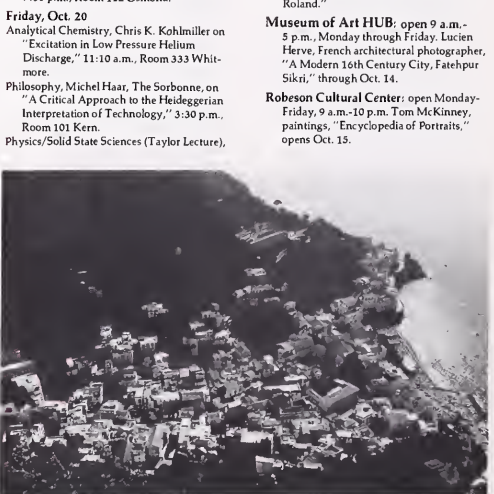
HUB Gallery: Central Penna Guild of Craftsmen exhibit; Homecoming exhibits: Trish Norton, airplane sculpture.

Kern Commons Gallery: "The Art of Boxing," paintings, prints and sculpture.

Museum of Art: open noon-5 p.m. daily except Monday. John F. Kennett, drawings, through Oct. 22. European paintings, drawings and sculpture from the permanent collection. Oriental works of art from the permanent collection. "The Song of Roland."

Museum of Art HUB: open 9 a.m.-5 p.m., Monday through Friday. Lucien Herve, French architectural photographer, "A Modern 16th Century City, Fatehpur Sikri," through Oct. 14.

Robeson Cultural Center: open Monday-Friday, 9 a.m.-10 p.m. Tom McKinney, paintings, "Encyclopedia of Portraits," opens Oct. 15.



The medieval city of Amalfi is the topic of a lecture sponsored by the Central Pennsylvania Society of the Archaeological Institute of America Oct. 17.

Arts Roundup

Exhibit of Romanesque art being shown at museum

Examples of Romanesque culture from the 12th and 13th centuries are on display at the Museum of Art through Nov. 12.

The exhibition opened in conjunction with "Romaneaux 778-1978," a conference on the Song of Roland organized by the Department of French and sponsored by the Institute for the Arts and Humanistic Studies.

The Song of Roland was composed by an unknown author around the close of the 11th century. The epic song praises the heroism of Roland, one of Charlemagne's captains who died in 778 at Roncesvalles in the Pyrenees defending the boundaries of Charlemagne's realm from the Spanish. Roland's exploits inspired the Norman knights at Hastings in 1066, and the Song of Roland reflects the spirit of the crusades which took place between the 11th and 13th centuries.

Included in the Museum of Art's exhibition are French, German and Italian works. The theme of the exhibition is represented by the cast bronze figure of a mounted crusader in armor, a 13th century piece from Lower Saxony.

The exhibition was assembled with the aid of the Art Institute of Chicago, The Metropolitan Museum of Art, The Cloisters Collection, The Walters Art Gallery and private collectors.

Trehy concert Oct. 16

Robert Trehy, baritone, will present a concert at 8:30 p.m. Monday, Oct. 16, in the Music Bldg. Recital Hall. Mr. Trehy is a professor of music and a Fellow of the Institute for the Arts and Humanistic Studies.

The program is the third and last of three Schubert evenings presented by Mr. Trehy. All three programs commemorate the 150th anniversary of the composer's death. Mr. Trehy will perform *Die Schöne Müllerin*, a song cycle to the poetry of Wilhelm Müller. The song cycle, composed of 20 short pieces, is highlighted by numbers such as "Wohin?" "Der Neugierige," "Ungeduld," "Mein!" and "Die böse Fabrik."

Mr. Trehy will be accompanied in this program by John Wustman, professor of music at the University of Illinois at Champaign-Urbana. Mr. Wustman is the exclusive accompanist for Luciano Pavarotti, tenor with the Metropolitan Opera Company.

Raymond Page to soloist at Symphony's Oct. 14 concert

Raymond Page, violist with the Alard String Quartet, will be the featured soloist with the Penn State Symphony Orchestra in its first concert of the season. The concert will be at 8:30 p.m. Saturday, Oct. 14, in Eisenhower Auditorium.

The Orchestra is conducted by Dr. D. Douglas Miller, associate professor of music.

Mr. Page will be heard in Berlioz' *Harold in Italy*, the second of the composer's four symphonies. The violinist Paganini commissioned Berlioz to write the symphony, and Berlioz was inspired by the melancholy character of Childe Harold in Lord Byron's poem.

Mr. Page, an associate professor of music, studied viola with Josef Gingold. He is a graduate of the Juilliard School of Music, where he studied violin with Ivan Calamian and ensemble with Hans Lett. He was a Fulbright Scholar at the Akademie für Musik und die Mozarteum in Salzburg and was a member of the quartet chosen to represent Austria at the Brussels World's Fair.

For the first half of the program, the Penn State Symphony Orchestra will perform Beethoven's Symphony No. 1 in C Major, opus 21.

Auditions for "Amahl" to be held Oct. 13

Open auditions for the Penn State Singers' production of *Amahl and the Night Visitors* will be held Friday, Oct. 13, in Room 112 of the Music Bldg.

Interested persons are asked to sign up in advance for an audition time, also in Room 112. Auditions for the parts of the Three Kings and a Page (one tenor, two baritones and one bass) will be held. Those trying out for these parts are asked to bring a song of their choice to the audition.

The Penn State Singers will present *Amahl and the Night Visitors* on Dec. 7, 8 and 9 in Schwab Auditorium.

Tickets to Martha Graham performances on sale Oct. 17-20

Tickets will be available for the two performances to be presented by the Martha Graham Dance Company at 8:30 p.m. Saturday, Oct. 21, and at 3 p.m. matinee Sunday, Oct. 22. Both performances will take place in Eisenhower Auditorium.

Choreographed by Miss Graham, one of America's greatest living artists, the works scheduled for Saturday's program include "Seraphic Dialogue," "The Owl and the Pussycat" and "Night Journey." Sunday, the company will dance "Ecstacy," "Cave of the Heart," "Diversion of Angels" and "Appalachian Spring."

Tickets will be sold Oct. 17 through 20 from 9 a.m. to 4 p.m. at the Artists Series HUB booth and at Eisenhower Auditorium.

Three centuries of chamber music on Oct. 18 program

Musica da Camera, the University's chamber orchestra, will present its first concert of the season at 8:30 p.m. Wednesday, Oct. 18, in the Music Bldg. Recital Hall.

Musica da Camera is composed of 11 string musicians, most of whom are graduate students holding assistantships at the University on the basis of their performance abilities. The group is conducted by D. Douglas Miller, associate professor of music.

The program will consist of works representing three centuries of chamber music. Georg Philipp Telemann's *Don Quixote Suite*, a seven-venomous piece chronicling events in the life of the popular hero, will be the opening work. The Divertimento in B Flat, K. 137 by Wolfgang Amadeus Mozart will also be performed.

Musica da Camera will present a modern piece written in the Baroque form. Ernest Bloch's *Concerto Grosso No. 1*. Timothy Shuey, pianist, will be featured in this piece. The program will conclude with the Symphony No. 101 in D by Franz Joseph Haydn, known as the "Clock Symphony."

For this concert, Musica da Camera will be joined by 15 wind, percussion and keyboard players, both faculty and students.

"Patience" at Eisenhower tomorrow at 8:30 p.m.

A Gilbert and Sullivan opera that caricatures the affections and braggart militarism of the late 19th century will be presented Friday, Oct. 13, at 8:30 p.m. by the Manhattan Savoyards in Eisenhower Auditorium, as part of the Artists Series' Music Series.

Patience, or *Bunthorne's Bride*, tells the story of the rivalry for the affections of a milkmaid, Patience, between very imperfect and very perfect characters, Bunthorne and Grosvenor, respectively.

Fully staged and beautifully costumed, the opera is one of many Gilbert and Sullivan works presented by the Manhattan Savoyards. The performances by the company of 35, including a 22-piece orchestra, have been lauded by college audiences across the United States.

Any remaining tickets for the performance will be on sale today (Thursday) and Friday, from 9 a.m. to 4

p.m. at the Artists Series HUB Booth, and at Eisenhower Auditorium starting at 7 p.m. the night of the performance.

"Our Town" to be performed

Our Town by Thornton Wilder, the second production of University Theatre, will open Oct. 26 in the Playhouse Theatre.

One of the best known plays of the American theatre, *Our Town* depicts life in the small New Hampshire village of Grover's Corner. Wilder has described his play as an attempt to find a value above a price for the smallest events in our lives. John Mason Brown, former critic of the New York Post, described the play as "more than an adventure in playgoing — a spiritual experience."

Production dates are Oct. 26-28, 31

WPSX Highlights

Movie critics Roger Ebert and Gene Siskel review recently released motion pictures opening in theaters around the country on the new biweekly series *Sneak Previews*, which begins Thursday, Oct. 12, at 10 p.m. They'll give tips on what to expect and what to avoid and will also present an occasional "Dog Award."

"I was the American dream daughter," recalls 27-year-old Linda Marco. "Cheerleader, prom queen, straight-A student, president of the honor society, newspaper editor. . . I was miserable." Marco is one of 26 men and women, ranging in age from 20 to 79, who discuss their experiences as homosexuals on *Word Is Out*, Saturday, Oct. 14, at 10 p.m. Speaking with frankness and humor, they present an inside look at America's gay community, from the experiences of a New York executive and a San Francisco drag queen to a middle-aged ex-WAC and an elderly poet.

Pennsylvania's new, proposed master plan for higher education is the topic for discussion Tuesday, Oct. 17, at 7:30 p.m. on *Talkabout*. The week of Oct. 23, Commonwealth citizens will have the opportunity to voice their opinions regarding the plan at public hearings. Scheduled to appear on Penn State Television's review of the plan are Arthur B. Sinkler, chairman of the State's planning commission, and Warren Ringle, commissioner of higher education.

Two of Canada's most powerful

through Nov. 4. Reservations may be made by calling 814-865-1884.

Underground film maker to show works at Penn State

R. Allen Kirkpatrick, a New York underground film maker, will present some of his latest films at 7 p.m., Saturday, Oct. 21, in Room 112 Chambers Bldg.

Sponsored by the Comparative Literature Film Series, the program includes a discussion session with the artist after the showing.

Born in Philadelphia in 1937, Mr. Kirkpatrick served in the Army in Germany, was a boxer, did a stint as a coffee house poet, and attended Temple University and Penn State. For the past 15 years he has lived in New York City and worked as a film editor.

Works by choreographer George Balanchine are featured Wednesday, Oct. 18, at 9 p.m. on *Great Performances: Dance in America*. Members of the New York City Ballet perform excerpts from his dance *Jewels* and dance a work based on the Stravinsky Violin Concerto.

Seiji Ozawa leads the Boston Symphony and the Tanglewood Festival Chorus in Berlioz's comic opera, *Beatrice et Benedict*, beginning Thursday, Oct. 19, at 8 p.m. on *Evening at Symphony*. Act I of the opera, based on Shakespeare's *Much Ado About Nothing*, is presented on Oct. 19, with the concluding act on Oct. 26, at 9 p.m.

Thursday, Oct. 19, at 9 p.m., *Ormandy and His Orchestra: Japanese Odyssey* covers the Philadelphia Orchestra's tour of Japan earlier this year with documentary and performance segments. Eugene Ormandy conducts works by Debussy, Ives, Brahms, and R. Strauss.

Popular repeats this month include *The Forsyte Saga*, beginning Sunday, Oct. 15, at 3:30 p.m.; and *Scenes from a Marriage*, also beginning Sunday, at 10 p.m. Julia Child will return Saturday, Oct. 14, at 7:30 p.m. with a series of programs designed to help viewers cook for company. Recipes are available free by writing "Julia Child and Company," Wagner Annex, University Park, PA 16802.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in positions may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 19, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park. Become familiar with the objectives and specialized techniques essential to each project. Plan the day-to-day work on research projects. Carry out specialized routine procedures including the preparation of culture media and chemical solutions and conduct biochemical tests. Collect data on research projects. Observe laboratory animals daily, record observations and obtain tissues for examination. Responsible for adequate supplies of glassware, chemicals and other materials needed in day-to-day operations in laboratory for biochemistry and physiology. Bachelor's degree in biochemistry, medical technology, or biological science or equivalent, and up to one year of directly related laboratory experience.

COORDINATOR OF UNIVERSITY RELATIONS — PUBLIC INFORMATION AND RELATIONS, University Park. Responsible to the Director, Public Information and Relations, for the coordination, scheduling and operations of University public occasions such as commencements, dedications, academic awards ceremonies, President's Freshman Convocation and Trustee Delegate Election Luncheon. Responsible

for the Campus Visitor Information Service, including London bus tours and group guided tours. Coordinate the planning and make arrangements for the use of University facilities by off-campus groups. Arrange for speakers for the Penn State Speakers Bureau. A baccalaureate degree or equivalent, together with two to four years directly related administrative experience within an institution of higher education is required. Writing experience preferred.

SYSTEMS ANALYST — MANAGEMENT SERVICES, University Park. Responsible for analysis of data processing and customer systems and the development of problem solutions. Also responsible for defining specifications of information requirements and operational needs. Bachelor's degree or equivalent, with training in basic computer systems and system planning, plus two to four years directly related experience in data processing.

In addition to the above vacancies, there are positions in certain work units which, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interest known to the Employment Division for further consideration when such vacancies occur. These positions are:

Position	Area
Staff Nurses	Hershey
Licensed Practical Nurses	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
Medical Technologists	Hershey
Assistant Food Supervisors	H&F
Residence Hall Coordinators	Student Affairs
Assistant Coordinators	Student Affairs
Nutrition Assistants	Ext (various countries)
Psychiatric Assistants	Hershey
Programmers	Management Services
Applications	Management Services
Programmer/Analysts	Management Services
Respiratory Therapy Technicians	Hershey

News in Brief

President Oswald returns home

President John W. Oswald has returned to his State College residence from the Hershey Medical Center where he has been recuperating from a persistent infection following an eye operation Sept. 11. He is expected to be back on the job at the close of the approximately two-month period set for his leave.

Teller to deliver Nelson W. Taylor lectures

Dr. Edward Teller, associate director emeritus of Lawrence Livermore Laboratory and University Professor Emeritus at the University of California, will serve as the 1978 Nelson W. Taylor Lecturer in Materials Sciences under the sponsorship of the Department of Materials Science and Engineering.

An early researcher in thermonuclear reactions, Dr. Teller is now exploring the peaceful uses of thermonuclear principles. He has helped to develop national programs to explore peaceful uses of nuclear explosives to harness thermonuclear energy by both magnetic confinement and laser techniques. He is currently a senior research fellow of the Hoover Institute for War, Peace, and Revolution at Stanford University, and is also filling the Arthur Spitzer Chair of Science as a visiting professor at Pepperdine University.

Dr. Teller will speak on "The Man-made Energy Shortage" at 3:50 p.m., Thursday, Oct. 19, in Room 26 Mineral Sciences Bldg.; and on "Progress in Controlled Fusion" at 3:50 p.m., Friday, Oct. 20, in Room 117 Osmond.

The Taylor Lectures honor the memory of the man who headed the ceramics department from 1933 to 1943.

UC geneticist to talk on man's future

G. Ledyard Stebbins, professor emeritus of genetics at the University of California at Davis, will present a talk, "A Geneticist Looks at the Future of Mankind," at 7:30 p.m. Monday, Oct. 16, in Room 102 Forum Bldg.

The lecture is sponsored by Sigma Xi and the Department of Biology.

Dr. Stebbins holds A.B., A.M., and Ph.D. degrees from Harvard and was a professor of genetics at UC-Berkeley before moving to Davis to organize its Department of Genetics and serve as chairman there.

An authority on organic evolution, he is the author of a leading book in the field, *Variation and Evolution in Plants*. He also is the author of *The Basis of Progressive Evolution*, which considers the impact of molecular biology on evolutionary theory, and of *Chromosomal Evolution in Higher Plants*.

His recent studies on the developmental aspects of genetics have made contributions in the area of the developmental and biochemical genetics of stomatal patterns in grasses and mutant differences in barley. From them are emerging generalizations about the evolutionary importance of genetically based mechanisms for regulating gene activity.

Dr. Stebbins is a member of the National Academy of Sciences, the American Academy of Arts and Sciences and the American Philosophical Society. He has served on an NSF advisory panel and is currently a member of the advisory board of the Guggenheim Memorial Foundation.

In addition to serving on the editorial boards of several professional journals, he was secretary-general of the International Union of Biological Sciences and president of the Society for the Study of Evolution, the Botanical Society of America and American Society of Naturalists.

Woodward to speak Oct. 18

Bob Woodward, the Washington Post investigative reporter, will come to campus for a Colloquy New Press program. His talk is scheduled at 8 p.m. Wednesday, Oct. 18, in Eisenhower Auditorium.

Admission is free, and the doors will open at 7:15 p.m.

Mr. Woodward's talk is co-sponsored by IFC and PANHEL as part of Homecoming '78.

Another participant in the New Press program is Virginia Eisenstein, a State College attorney. She will speak on "First Amendment Rights" at 1 p.m., Tuesday, Oct. 17, in the HUB Main Lounge.

Archaeological Society to hear lecture on Amalfi

"Amalfi: The Medieval City and Its Monuments" is the topic of an illustrated lecture to be presented by Prof. Robert Bergman of Harvard University's Fogg Art Museum.

The lecture will be presented at 8 p.m. Tuesday, Oct. 17, in Room 301 HUB and is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Coffee will be served at 7:30 p.m. prior to the talk, and the public is invited to attend.

Hegel Society to meet Oct. 12-14

The Fifth Biennial Meeting of the Hegel Society of America will be held Oct. 12-14 at the Keller Conference Center. The subject of the meeting is Hegel's *Phenomenology of Spirit*.

Participants from Penn State's Department of Philosophy include Joseph Flay, who will present a paper on "Pragmatic Presuppositions and the Dialectics of Hegel's *Phenomenology*," and Joseph J. Kockelmans, in charge of local arrangements and chairman of one of the sessions.

Further information regarding the program may be obtained from Prof. Kockelmans, 863-0524.

Altoona chapel named

The All-Faith Chapel at the Altoona Campus has been renamed the Edith Davis Eve Chapel. The name honors the late Mrs. Eve, a former teacher and Altoona resident who provided a gift of \$125,000 to aid construction of the chapel, which was opened in 1970.

Mrs. Eve, who died last year at the age of 103, also provided funds toward the construction of East Halls Dormitory at Altoona.

Two Cultures talk on dying scheduled for Oct. 16

The general topic for this season's Two Cultures Dialogue (TCD) will be "Science, Technology and Health."

T. A. Vastyan, professor and chairman of humanities at Hershey, will speak Monday, Oct. 16, on "Creative Dying: Ethical and Technological Considerations."

TCD sessions are held in Room 101 Kern Graduate Bldg., beginning with lunch at noon and adjourning by 2 p.m. TCD is sponsored by the interdisciplinary Science, Technology and Society Program to promote discussion and increased understanding of issues of broad cultural interest. All faculty members, administrators and graduate students are welcome to attend.

Open fires banned on University property

Open fires, including camp fires, are not permitted at any time on the University farms and only in designated picnic areas on other University property, Howard O. Triebold Jr., manager of the Safety Services Division of the University, reminds.

Space available on bus trip to Cloisters

Faculty and friends of the Middle Ages are welcome on a planned "Museum Trip to the Cloisters," scheduled for Saturday, Oct. 21.

The Cloisters is the medieval museum which forms part of the Metropolitan Museum of Art in New York City.

The trip is being planned in conjunction with two English Department courses, and the bus will be filled on a first-come basis. The bus will leave from the HUB at 7 a.m., arriving at the Cloisters about noon. Departure time from New York is about 5 p.m.

The cost of the trip is \$16.50, and reservations may be made at the Comparative Literature Department, N425 Burrows Bldg. Any questions may be directed to Dr. Caroline D. Eckhardt, 863-0589.



U.S. women's volleyball team in action.

Japanese, U.S. women to compete in volleyball Oct. 20

Japan, which won the gold medal in women's volleyball at the 1976 Olympic Games without losing a single match, will bring its expertise to Rec Hall on Oct. 20 for a match against the United States team.

The U.S. team, which has never qualified for Olympic competition, will take on the current Olympic champions in a best-of-five games match beginning at 7:30 p.m.

Reserved seat tickets for the event are \$3.50 for the public and \$2 for Penn State students and children of high school age or younger. General admission tickets are \$2.50 for the public and \$1 for Penn State students and children. The tickets may be purchased at the Penn State Athletic Ticket Office, Room 237 Recreation Bldg.

Despite the success of the Japanese team

Julie Masteller fund established at Behrend

A scholarship fund has been established at Behrend College in memory of Julie Ann Masteller, a 19-year-old sophomore who died last Dec. 31.

The Julie Ann Masteller Memorial Scholarship Fund has been set up by the Masteller family and friends to provide aid to undergraduates enrolled in a baccalaureate degree program at Behrend.

Scholarship winners will be chosen for their superior academic achievement or promise.

Miss Masteller was majoring in ceramic science. Her father, Dr. Edwin C. Masteller, is an associate professor of biology at Behrend and has been a member of the faculty for 11 years.

in the most recent Olympic Games and the failure of the U.S. team to qualify for that competition, Penn State volleyball coach Tom Tait expects the Oct. 20 match to be closely contested.

"The American team has made tremendous progress and certainly ranks among the top ten teams in the world right now," says Mr. Tait, who arranged for the international match to be played at Penn State. This is the only stop in Pennsylvania for the touring Japanese team.

Mr. Tait points to the U.S. team's performance against international powers this summer as proof of the Americans' improvement in the sport. The U.S. team has had victories over Japan, the U.S.S.R. and Cuba in tournaments during the past year.

Danforth fellowship nomination deadline approaching

Seniors at the University are eligible to apply for Danforth Graduate Fellowships to be awarded by the Danforth Foundation, of St. Louis, Mo., in April 1979.

The deadline for obtaining information on the University nomination process is Nov. 1, according to Dr. Robert E. Dunham, vice president for undergraduate studies. Forms for students wishing to be considered for selection as a nominee from Penn State are available in Dr. Dunham's office, Room 117 Old Main.

The Danforth Fellowships are open to all qualified persons who have a serious interest in a career teaching in a college or university and who plan to study for a Ph.D. in a liberal arts field.

Approximately 60 to 65 fellowships will be awarded to college seniors who have not undertaken graduate level programs of study. Five University seniors will be selected for nomination.

The Foundation currently is making a

special effort to bring qualified persons from racial and ethnic minorities into the profession of teaching.

The Danforth Graduate Fellowship is a one-year award, normally renewable until completion of the advanced degree or for a maximum of four years of graduate study. Fellowship stipends are based on individual need, but will not exceed \$2,500 for single Fellows, and for married Fellows with no children. Fellows who are married or are "head of household," with one child, receive up to \$3,500 with dependency allowances for additional children. The fellowships also cover tuition and fees up to \$4,000 annually.

The Danforth Foundation, established in 1927, is a national educational and philanthropic organization, dedicated to enhancing the humane dimensions of life. Activities of the Foundation traditionally have emphasized the theme of improving the quality of teaching and learning.

SUPPORT CENTRE COUNTY UNITED WAY



As of Oct. 4, the University community had donated \$35,509 toward its \$95,000 United Way goal. Units with the highest percentage of employees who have given are Education, 12.7 percent; offices reporting to the Senior Vice President for Administration, 11.5 percent; and Business Administration, 11.2 percent. Areas reporting to the Provost have contributed the most money to date — \$6,958. Penn Staters are urged to send in their pledges as soon as possible.

Support inadequate

(Continued from page 1)

the costs of inflation," he added, "by capturing every penny possible within its own operations — in other words, recycling money to pay for required expenses."

Dr. Eddy further noted that the University has been forced repeatedly to turn to its students for higher tuition. Now, he added, it has the "shameful distinction of being the second most costly land-grant university in the nation."

Since 1971-72, Penn State has made internal budget reductions and reallocations of more than \$18.7 million. Referring to these cutbacks, Dr. Eddy stressed that they are "not done without great and continuing harm to the basic quality of the educational program."

The story of Penn State's lack of financial support, he continued, is not a pleasant one. With a new State administration coming into office, he added, "let's not make the assumption — even before the election — that Pennsylvania must suffer still another year of loss in quality in higher education."

"It will take some genuine statesmanship and leadership of a high order if we are to avoid further declines in quality and lost opportunities for the citizens of Pennsylvania."

Dr. Eddy testified for President Oswald, who is recuperating from an eye operation. Other University officials at the hearing were:

Dr. Stanley O. Ikenberry, senior vice president for administration; Robert A. Patterson, senior vice president for finance and operations; Dr. Harry Prystowsky, provost of the Hershey Medical Center; Steve A. Garban, controller; Loren Furtado, director of the Office of Budget and Planning; and Richard Althouse, manager of budget planning and development.

Council

(Continued from page 1)

it is generally in an escalating situation, and the police officer can't call time out to go for aid.

Cornell's police officers were armed at the request of the student body some 10-12 years ago.

During his four-and-one-half years at Cornell, no one has ever fired a gun. Guns are drawn and used to threaten several dozen times a year.

The University Park campus has approximately 50,000 people. There is crime and there are criminals among them, just as in every other community.

Director of University Safety David Stormer has asked for guns to help his force protect the community, not to hassle them.

Lt. Panuccio told the Council that in his 18 years as a policeman, "I have never had to pull a gun, but I wouldn't walk across the street without one. It only has to happen once."

"The only reason I say a guy should carry a gun is to protect himself. It's as much a part of law enforcement as my pen, my initial report, my automobile. You can't make a commitment to law enforcement in the United States without a gun."

Replying to a question from Dean Scannell about how quickly the State Police could respond in a situation where "someone heard a woman screaming outside his window," he noted that the State College police could probably respond more quickly.

"In an emergency where you needed a lot of people in a hurry, we have 37 at Rockview," he said. But in a situation like rape or robbery, there is only one patrol car available in the area, and the chances

are poor that it would be able to report at once.

If the University were to abandon the concept of having a law enforcement agency within the campus boundaries, it could not rely on the State Police for patrol, Lt. Panuccio said. "We don't have the people. We are strained right now."

State College Police Chief Williams said that during the "graveyard" shift (11 p.m.-6 a.m.) the Borough has six people on duty.

"A lot of problems and dollars would be involved in providing police service to the University on a full-time basis," he predicted.

Chief Williams said there is a constant exchange of information between campus and local police agencies. During the Teamsters' strike last summer, State College provided back up forces at Mr. Stormer's request. Although some of the incidents during the strike involved persons other than University employees, police did not run into anyone who was armed.

Other comments by Chief Williams included:

— The crime rate is rising in both the Borough and University Park, and about half of the people arrested at University Park have no relationship with the University.

There has been a noticeable increase in the number of citizens in the Borough applying for permits to arm themselves because of fear of crime.

Since the University is hiring people as law enforcement officers and training them to enforce the criminal statutes and vehicle code laws of the Commonwealth, they ought to be given the tools to work with, and that includes a weapon.

Mr. Donovan told the Council that during his 17 years with the New York City police he had drawn his weapon hundreds of times but never fired it except

on the range.

"The pulling of weapons is good police procedure," he said, "and I'm not alarmed by Mr. Stormer's request. But I would like more information on the incidents he's concerned about. I don't think we should react emotionally. It's easy to say you wouldn't walk anywhere without a gun, but you have to examine the number of incidents for which campus police are responsible."

"A gun is critical in law enforcement, but no matter what you do, you won't prevent acts like rape and robbery."

Under Mr. Stormer's proposal, only officers who have been well trained in the use of weapons at Pennsylvania police academies and who are undergoing continuous training to maintain skills and proficiency would be issued weapons.

They would be instructed to use sidearms only for defensive purposes and strictly as a last resort in life-threatening situations.

Thirty-three officers would be armed. However, the maximum number carrying arms at any one time would probably be seven, at the peak times between 1 a.m. and 4 a.m.

The current membership of University Council includes: Faculty representatives — Martha A. Adams, assistant dean for resident education, College of Health, Physical Education and Recreation; Dr. Buck, Dr. Francis J. Vastola, professor of fuel science; and Dr. John S. Patterson (interim), associate professor of American Studies in history, Capitol Campus.

Administrative — Dean Scannell; Dean James M. Beattie, College of Agriculture; and Mr. Vairo.

Student — Graduate student Reginald W. Spiller; undergraduate students Mr. Leider, Mr. Patenaude and Joseph Kreta (interim), Worthington Scranton.

Lead time

(Continued from page 1)

pursuit and power because the members of the faculty have the major responsibility for quality control where it counts — at the level of their own programs."

Penn State's present health, as measured by enrollment totals, is good, the Provost reported, noting that the University "is not falling off in applications for admission or, indeed, in registration in the same manner as many private and public colleges and universities within the Commonwealth and throughout the country."

"The number of applicants was up this year; the number enrolled throughout the University is down in the latest figures by less than one-half of one percent — an insignificant drop."

The Provost pointed to two small changes in enrollment, which he said bear baccalaureate degree candidates and 220 fewer associate degree candidates this fall. These figures are off-set in the overall enrollment picture by an increase of 148 provisional students and of 64 non-degree students.

"I am not sure that this trend is an entirely healthy one," Dr. Eddy reflected. "If it means an increasing reliance on the Commonwealth Campuses in filling out enrollments with students who do not meet our minimal standards for baccalaureate admission, then it could reshape our entire University program."

Relatively few of the provisional students follow through to the end of a baccalaureate degree, I am told. We know very little about them at this point, and we need to gather much more information. We may be serving a somewhat different population but, at the same time, preserving some myths about ourselves which need to be examined and revised."

"One truth we know: Good students attract good students. We cannot be sure of the balance if the range is excessive." Graduate enrollment at University Park also declined this year, the Provost noted, although it was offset in raw numbers by

an almost equal increase of graduate students at Capitol Campus.

Two-year decreases in graduate enrollments in Education, Liberal Arts, and Health, Physical Education and Recreation follow national trends and are unfortunately reflective of the job market, the Provost added.

Promising to keep a sharp watch on changing enrollment patterns, the Provost said that the establishment of a new integrated Office of Admissions with a qualified Dean in charge "will allow Penn State to determine by its own decisions its shape and quality, its size and composition, its balance and proportions."

Calling for realism "on the part of all of us," Dr. Eddy said:

"I think we have to be more honest in our assessments of who we are, what we are, and what we can and should try to do."

"Perhaps one example will suffice: We are moving as a nation toward a revision in the population bubble. The baby boom is within dancing distance of middle age. It may be the most active adult generation we have known in seeking and needing further educational opportunity."

"Are we willing to accommodate continuing education within the actual, not the professed guidelines of policies which govern the reward system?"

"Are we willing to find on some of our Campuses that elusive but perhaps effective and serviceable combination of resident and creditable adult education?"

In his discussion of Penn State's future, the Provost noted that the level of mutual expectation pervading the University is, to his mind, the controlling concept, and he added:

"Some units of the University must have much higher expectations for themselves than those to which they now seem to aspire."

"Some must adopt new roles and establish new missions in order perhaps just to stay even."

"And some must accommodate gracefully and intelligently to lower enrollments and lower support levels."

Of course Penn State cannot continue to be all things to all people, Dr. Eddy

continued.

"We shall have to tighten our operations. We shall have to use funds more prudently. We shall have to establish and understand clearly our priorities."

"I don't understand why such a statement threatens or frightens people. It is so obvious to me in the present context of this nation and this State."

"We shall have to give up our territorial rights and stop this constant nonsense of acting as if we are not a university in fact but only in catalog."

BDR II offers the University an opportunity to accomplish this by creating a new educational framework. It may help provide an answer to the persistent question of what it means to be an educated person, Dr. Eddy said.

Reminding the University community that it cannot hold commonly shared expectations and understandings in such operational tools as PS-23 without clear — and hopefully high — expectations as a social agency for higher learning, the Provost summed up his feelings toward the issues he had raised:

"As Emerson wrote, 'This time, like all times, is a very good one, if we but know what to do with it.'"

Woodcarvers exhibit at Kern

The Commons Gallery is presenting an exhibition of woodcarvings by the Central Pennsylvania Chapter of the National Association of Woodcarvers through Oct. 14.

The exhibit includes works by Alex Black, Robert Butler, Kathryn Fox, Phil Freed, Larry Groninger, Ross Headings, Ross Marlow, L. H. McCormick, William Metzel, John Moring, Pat O'Brien, William Patton, Lester Rishel, Keith Rose, Mary Cady Rubenstein, Kim Steiner and Nelson Wood.

Many different types of woodcarvings are featured, including wall reliefs, decoupage store Indians, abstractions and animals.

The gallery is open from 8 a.m. to 11 p.m., Mondays through Saturdays, and from noon to 11 p.m. on Sundays.

Penn State Intercom



Dr. Ikenberry

Ikenberry named outstanding leader

The American Council on Education and *Change* magazine have selected Dr. Stanley O. Ikenberry, senior vice-president for administration, as one of a group of young scholars and academic administrators who are "the most respected leaders in higher education" today.

The 100 men and women selected are the subject of a feature article in the October issue of *Change*, which is published by the Council on Learning and devoted to issues of interest in higher education. Nominees were required to be 45 years old or under, to have records of significant accomplishments outside a single institution, and to evidence potential for future national leadership.

In selecting the outstanding young leaders on the nation's campuses, the magazine article notes, *Change* pays tribute "not to the past but to the future—100 of the most respected emerging leaders in higher education."

(Continued on page 2)

State ranks at bottom in higher ed funding

Pennsylvania has the dubious distinction of ranking last among the 50 states in terms of increased appropriations to higher education during the past two years.

Since 1976, State appropriations to colleges and universities in the Commonwealth increased by only 6 percent—a loss of 7 percent in real purchasing power when the figures are adjusted for inflation.

The treatment of higher education by the state was reported in an article in the Oct. 10 *Chronicle of Higher Education*. The study on which it is based was prepared by M. M. Chambers, professor of educational administration at Illinois State University.

Nationally, state appropriations for higher education have grown by 22 percent during the last two years, or by 7 percent when the effects of inflation are considered.

During the past decade, a gain of 235 percent was registered by the 50 states, or 76 percent in real purchasing power.

Pennsylvania ranks 46th among the states in appropriations to higher education during the 10-year period. Its appropriation increased by 164 percent or 39 percent in real purchasing power.

Prof. Chambers' figures include tax revenues appropriated by the states for operating expenses to public colleges, state-supported higher education agencies and programs, student grants and loans, and indirect support to private institutions. Monies intended for capital expenditures and debt service are not included.

States recording the greatest two-year gains in higher education appropriations were in the South, with Mississippi the leader. It had a 42 percent increase. Other Southern states with increases of at least 30 percent were Alabama, 39 percent; Kentucky, 33 percent; Georgia, 31 percent; and Louisiana, 30 percent. Among states with large gains outside the South were New Mexico, 36 percent, and New Jersey, 35 percent.

Terming the Northeast a "disaster

area," Prof. Chambers found that appropriations by the New York and Massachusetts legislatures between 1976-78 rose by only 14 percent and 13 percent, respectively.

Pennsylvania was one of only five states to lose ground in higher education appropriations since 1976. When the figures are adjusted for inflation, Alaska fell by 3 percent; Delaware and Massachusetts by 1 percent; and Texas by a fraction of a percent. Texas, Prof. Chambers explained, made a "phenomenal" expansion during the mid-seventies, and he called the last two years "a breathing spell."

Pennsylvania also did poorly by two other measures which Prof. Chambers used in his study.

The Commonwealth ranked 44th both in the amount appropriated per person for higher education this year—\$59.32—and per \$1,000 of personal income—\$8.46.

By contrast, the national average for per capita appropriations was \$78.67 and \$11.22 per \$1,000 of income.

News in brief

Rare Books Room to show Fellows' works

To note the designation as Fellows of the Institute for the Arts and Humanistic Studies of Simon Belasco, professor of Romance linguistics; Hellmut Hager, professor of art history; and Heinz Henisch, professor of physics and the history of photography, the Rare Books Room of the Pattee Library will exhibit work published and in process by each of the three Fellows during the week of Oct. 23.

The display will include proofs, manuscripts, publications and relevant memorabilia. Prof. Belasco has a world reputation in linguistics and in French dialect studies; Prof. Hager is a distinguished architectural historian; and Prof. Henisch is editor of the international *Journal of the History of Photography*.

Tests to identify

Tay-Sachs "carriers" Oct. 22

Blood tests to identify carriers of Tay-Sachs disease, the fatal genetic illness, will be offered at the University from 1 to 4 p.m. Sunday, Oct. 22, in the HUB Ballroom.

Faculty and staff members and their families are welcome to be tested. People under 18 need parental permission. Testing will be done by members of the Tay-Sachs Prevention Program of the Thomas Jefferson University School of Medicine. Results will be sent directly to those tested to maintain confidentiality.

Sometimes called the "Jewish Disease" because one out of every 27 Jews of eastern European ancestry is a carrier of the deadly gene, Tay-Sachs also strikes non-Jewish families, although such cases are rare.

In order to get Tay-Sachs disease, a child must inherit two Tay-Sachs genes, one from each parent. A person who has

only one Tay-Sachs gene is called a "carrier." "Carriers" cannot develop the disease themselves but can pass the Tay-Sachs gene on to their children. When both parents are "carriers," there is a 25 percent chance of a Tay-Sachs child with each pregnancy.

Children with Tay-Sachs disease experience degeneration of the nervous system that leads to blindness, seizures, severe mental retardation, and, finally, death, usually at four to five years of age. There is no cure.

Anyone with questions about Tay-Sachs disease or the testing program may call Dr. Ronald Yasbin, assistant professor of microbiology and cell biology, at 865-1992.

PSU 21st in AP students

Penn State ranked 21st in the nation in its number of Advanced Placement (AP) Program students for 1978-79, the College

(Continued on page 2)

Council hears spectrum of views at hearings on police

Proponents and opponents of arming campus police were fairly evenly divided among nine scheduled speakers who addressed University Council at open hearings on the issue held Oct. 12.

The hearings were not well attended. Approximately 65 persons were present in the afternoon and again in the evening. However, this figure included about 20 members of a journalism class and a number of representatives of the local media.

Calling for the collection of much more elaborate statistical data, Dr. Frank J. Landy, associate professor of psychology, told Council that he did not think it could reasonably make a decision by Oct. 19, the date originally set by the group to prepare their recommendation to the Provost.

Dean Robert J. Scannell, who presided over the hearings, noted that Council would not make a decision until its members felt they were ready.

Dr. Landy said that in the course of conducting a research study for the Department of Justice on the performance

of patrol officers, he had dealt with some 190 municipal police departments. He suggested several questions which he felt should be answered before a decision to arm or not arm campus police is made.

"Most job analyses would not justify the use of firearms on the basis of frequency," Dr. Landy said. "It's the unusual officer who is required to fire a gun over a 20-year period. This leaves us with the importance of usage—what is the role of guns in the general notion of community safety?"

"One way to look at the importance of the role of guns is to analyze incidents in which they are used, and tons of data are available on this."

The University community, in looking back over the past six years, should also ask such questions as what has happened as a result of campus security officers not carrying guns; what would have happened if they had had guns; and what might happen in the future as a result of their carrying guns?

Dr. Landy suggested that criminals

might be less likely to bring guns onto campus if they were not facing officers with guns.

"Some data show that such people as armed robbers who systematically use guns decide to bring guns on the basis of what they will run up against," he continued. "The penalties are so much more dramatic if they are caught with a gun."

Much of the available data suggest, according to Dr. Landy, that the death and injury rate to patrol officers in the course of duty is not very high.

"Even one death over an extended period of time is one too many, of course," Dr. Landy said, "but we are weighing costs. We should compare statistics on how many civilians have been killed by patrol officers. Both lives are important."

In discussing the psychological aspects of making decisions under stress, Dr. Landy pointed out that the less frequently a person has to make a decision, the more inaccurate the nature of that decision will be.

"If I have to draw and use a gun every five years, I am less likely to make the right decision than if I have to use it every month, regardless of the formal training I have had," he said.

If a decision is made that firearms should be used, Dr. Landy emphasized, it is critical that there be a written firearms policy before the fact. Civilian review boards are virtually useless after the fact.

He suggested that any such policy contain the following elements: a definition of what danger to patrol officers consists of; a policy on juveniles; a policy on shooting from a moving vehicle and on firing warning shots; off-duty weapons use; a policy on when personnel can be drawn and displayed; and a policy on personnel procedures revolving around training.

Dr. Steven J. Danish, associate professor of human development, told Council he has had ten years' experience in training police for crisis situations.

"It is my sense," he said, "that if the

(Continued on page 2)

Penn Staters

Louise W. Hamilton, professor of foods and nutrition with the Cooperative Extension Service, was installed as president of the 36,000-member American Dietetic Association at its recent annual meeting in New Orleans. Prof. Hamilton is past president of the Pennsylvania Dietetic Association. She has a B.S. from Iowa State University and an M.S. from Penn State and is the co-author of a book, *Horne Canning — The Last Word*. Members of the American Dietetic Association are drawn from hospitals, school lunch programs, public health, education, public institutions and business.

Dr. Peter Gould, professor of geography, recently presented an invited address at a meeting of the Institute of British Geographers at Leicester, England. He spoke on "A Perspective on Mathematics for Geographers." He also presented a paper at the annual conference of the International Institute of Communications at Dubrovnik, Yugoslavia. There he reviewed the research being conducted in an international flows project, for which he serves as international director.

Dr. Archie J. McDonnell, professor of civil engineering, has been appointed to the Water Resources Policy Advisory Committee of the Pennsylvania Department of Environmental Resources. Dr. McDonnell will chair a committee which will develop guidelines for a groundwater data collection system for Pennsylvania.

Dr. Edward A. Brawley, associate professor of social welfare, has been invited to serve on an Advisory Committee to the Governor's Task Force on Pennsylvania's new Department on Aging. By Act 70 of 1978, the Pennsylvania General Assembly created a Department of Aging which will be responsible for promoting the well-being of the Commonwealth's older citizens. The Task Force will pave the way for the January 1979 inauguration of this new cabinet-level department.

Two faculty members in the Division of Individual and Family Studies presented papers at the Second International Congress on Child Abuse and Neglect Sept. 12-15 in London, England. Dr. Vladimir de Lissoy, professor of child development and family relations, presented a paper entitled "Toward the Definition of 'Abuse Provoking Child'." Dr. Robert L. Burgess, professor of human development, presented a paper on "Project Interact: A Study of Patterns of Interaction in Abusive, Neglectful and Control Families."

News in brief

(Continued from page 1)

Board, sponsor of the program, has announced.

Some 509 entering Penn State freshmen completed 641 examinations to earn college credits or course exemptions, after taking AP courses while still in high school. The students represented high schools from throughout Pennsylvania and from many other states.

Penn State's ranking was announced in a list of the top 200 schools in the nation in AP participation released this week by the College Board, a nonprofit, educational association. The first and second ranking schools were University of Michigan and the University of California at Berkeley.

According to Dr. Robert E. Dunham, vice president for undergraduate studies, the University has been an active participant in the AP Program because studies have shown that students who earn Advanced Placement credits have a high rate of academic success. The study habits developed by those students in high school tend to carry over into the college years, Dr. Dunham said.

Affirmative Action in Employment at Penn State

The following is the University's new policy on Affirmative Action, which was approved this year.

PURPOSE:

To specify terms and conditions under which the University's policy of equal employment opportunity through affirmative action shall be implemented and identifying responsibility and accountability for actions in support of a positive program to meet legal and moral commitments as outlined in the Affirmative Action Compliance Plan.

POLICY:

It is the policy of The Pennsylvania State University to provide equal opportunity in all terms and conditions of employment, as described in the University's Affirmative Action Compliance Plan and PS-1, for all persons. The intent of this policy is to prohibit discrimination and to promote the full realization of equal employment opportunity through a continuing affirmative program in each administrative unit outlined in the Plan. This policy of equal opportunity applies to and must be an integral part of every aspect of personnel policy and practice in the employment, development, advancement, and treatment of employees and applicants for employment at the University.

RESPONSIBILITY:

The head of each administrative unit identified in the Affirmative Action

Compliance Plan, and subunits as identified by the Affirmative Action Office, shall be responsible for working with the staff of the Affirmative Action Office in implementing the requirements of the Plan as set forth in the "Guide to Equal Opportunity and Affirmative Action." It is the responsibility of each unit head to provide sufficient resources to administer such a program in a positive and effective manner; assure that recruitment activities reach appropriate sources of job candidates; provide reasonable opportunities to employees to enhance their skills so they may perform at their highest potential and advance in accordance with their abilities; provide training and advice to managers and supervisors to assure their understanding and implementation of the University's policy of equal opportunity and the affirmative action plan; and provide for a system within the unit for periodically evaluating the effectiveness with which the Plan is being carried out. Compliance with the intent of University Policy and the Affirmative Action Compliance Plan shall be part of the acceptable standards of performance for all employees.

LEADERSHIP/GUIDANCE:

The Affirmative Action Office, under the auspices of The President and reporting to the Provost of the University, shall provide leadership and guidance to administrative units in the conduct of their

programs affecting employees and applicants for employment. The Affirmative Action Office shall review and evaluate administrative unit program operations periodically, obtain such reports as deemed necessary, and report to the Provost of the University as appropriate on overall progress. The Affirmative Action Office will consult from time to time with such individuals, groups, or organizations as may be of assistance in improving the University's program and realizing the objectives of the Plan.

RESOLUTION OF COMPLAINTS:

The University shall provide for the prompt, fair, and impartial consideration of all complaints of discrimination in employment in violation of PS-1. Each administrative unit shall provide access to counseling for employees who feel aggrieved and shall encourage the resolution of employee problems on an informal basis. Procedures for the consideration of complaints shall include at least one impartial review within the administrative unit and shall provide for appeal as outlined in PS-77.

ADMINISTRATIVE GUIDELINES:

The Affirmative Action Office shall be responsible for preparing guidelines and instructions necessary and appropriate to carry out the intent of the University policy and the Affirmative Action Compliance Plan.

Council hearings

(Continued from page 1)

police were armed they might deal more effectively with the worst possible situations they could encounter as well as some of the best possible situations."

Dr. Danish said that police are trained to be aware that any situation they encounter contains the potential for injury.

"No matter how harmless a call may be, police do have that fear in their minds," he said.

He said police may not act as effectively if they are afraid, either from the point of view of law enforcement or the welfare of individuals.

"The important thing to recognize is that they can be afraid," he commented.

In addition to supporting sidearms for officers, Dr. Danish advocated extensive crisis training for policemen and called for the formation of a citizens' advisory board to conduct a hearing any time a policeman had drawn a gun. He said the same concept has been used effectively in New York City. He also urged the University to utilize the expertise of the Law Enforcement and Corrections Department on campus concerning security related matters.

Dr. Roy Austin, an assistant professor of sociology, spoke as a representative of the Forum on Black Affairs.

"One of my major concerns is that black people have the habit of reacting in front of police guns," he said. "I don't want to worry about going to my office late at night and some police officer the next day having to give the reason for firing that he thought the click of my pen was a gun."

From the evidence he has seen in the local and campus press, Dr. Austin said, he could find only one real case in which most reasonable people would say an officer's life was threatened, and in that case the officer partially put himself in danger by attempting to jump someone who threatened him with a knife.

"No one has ever attempted to show that arming the campus police would reduce the probability that they would be killed or seriously injured while performing their duty," Dr. Austin said. "Maybe having a weapon puts them in more danger than not having a weapon. Criminals are reasonable people. They would rather spend three years in prison for burglary than do life for murder."

Dr. Austin also noted that no evidence

had been brought forward to suggest that campuses which have armed officers have lower crime rates than those that do not. He pointed out that there is probably a relationship between the degree of urbanization of an area and the probability of an officer's being killed.

"The probability of a campus police officer being killed in this area is very small," he said. "It can happen but we are talking about probabilities."

Another speaker, Dr. Ernest L. Bergman, professor of plant nutrition and an elected member of the Ferguson Township Board of Supervisors, said he supported arming only fully trained police officers and urged that any guns other than sidearms be locked in the trunk of patrol cars rather than carried on the seats of vehicles.

Dr. Manfred Kroger, associate professor of food science, also spoke in favor of arming campus security officers.

Among students opposing the proposal were Hal Shaffer and Steve Lehman. Mr. Shaffer, a representative of a USC Senate Committee investigating the issue, pointed out that the crime rate on campus had not increased since President Oswald's refusal to arm police in 1975. He called for a student referendum to help decide the question.

Mr. Lehman also called for a referendum. He said students have a fear of what the consequences of arming University Police might be.

"This is a relatively tranquil place," he said. The crime rates have been pretty low. There is no evidence this is going to change in the near future."

Mr. Lehman, a 9th term finance student, said he felt the utilization of a couple of armed patrols for special situations "is a great idea."

"Realizing there are certain times when danger is much higher than others," he said "that is a definite solution that would be able to remedy all the misconceptions of having one hundred percent of the active police carrying guns."

Mary Ann Kraus, representing Lambda Alpha Epsilon, a criminal justice honorary society, said more than two-thirds of local society members who were polled supported sidearms for police service officers.

A number of other unscheduled speakers also presented brief comments at the hearings.

Ikenberry

(Continued from page 1)

Dr. Ikenberry was named senior vice president for administration at Penn State in 1978, after serving for seven years as senior vice president for University development and relations.

He joined Penn State in 1969 as professor and associate director of the Center for the Study of Higher Education. He came to the University following five years as dean of the College of Human Resources and Education at West Virginia University.

At West Virginia, he helped develop the research proposal that led to the establishment of the Appalachian Educational Laboratory and served as the first president and board chairman of the laboratory.

Dr. Ikenberry has served as a consultant to the U.S. Office of Education, the U.S. Department of Health, Education and Welfare, and numerous colleges and universities. He serves on the Board of Fellows of Gallaudet College in Washington, D.C., and is an honorary trustee of Salem College.

Dr. Ikenberry is a member of the Editorial Advisory Board of the Association for Institutional Research and author of a book on the organizational structure of universities and colleges. He frequently writes and speaks on that subject and has published numerous articles and monographs on higher education.

Dr. Ikenberry, a native of Lamar, Colo., received a B.A. in the social sciences from Shepherd College in 1956. His M.A. in education and Ph.D. in higher education research were conferred by Michigan State University.

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University Park Calendar

Oct. 19-29

Special Events

Thursday, Oct. 19

Homecoming Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

FSHA 410, Louisiana Bayou Cuisine, 5:30 p.m. Maple Room, Henderson. Reservations, 865-7441.

Susana Torre on "Architecture Between Formal Autonomy and Social Concern," 8 p.m., Room 105 Forum. Sponsored by the Department of Architecture.

Friday, Oct. 20

Sports: J.V. football vs. Rutgers, 2 p.m., IM Field; international women's volleyball, U.S. National Team vs. National Team of Japan, 7:30 p.m., Rec. Bldg.

Nelson W. Taylor Lecture, Edward Teller, Lawrence Livermore Lab and University of California, on "Progress in Controlled Fusion," 3:50 p.m., Room 117 Osmond.

Homecoming Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

Student Alumni Reception, 5-7 p.m., HUB North Lounge.

Homecoming activities: Parade, 6 p.m., College Ave.; candlelight ceremony and Glee Club concert (weather permitting), steps of Old Main, immediately following parade; fireworks and bonfire, 9 p.m., area south of Beaver Stadium; radio station WQWK all night broadcast, midnight-dawn, Nittany Lion shrine.

SFD Film, *Dark Star*, a sci fi film, 7 and 11 p.m., Room 102 Forum.

Un-Common Theatre, *Dames at Sea*, 8 p.m., Room 112 Kern.

Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 21

Sports: football, vs. Syracuse (Homecoming), 1:30 p.m., Beaver Stadium.

Un-Common Dinner Theatre, dinner, 6:30 p.m., *Dames at Sea*, 8 p.m., Kern Bldg.

Comp. Lit. GSA film series, R. Allen Kirkpatrick, underground film maker, shows and discusses some of his latest films, 7 p.m., Room 112 Chambers.

UCC, Van Morrison, and introducing Dave Edmunds, Rockville, 8 p.m., Rec. Bldg.

Artists Series, Martha Graham Dance Company, 8:30 p.m., Eisenhower Auditorium.

Schwab Auditorium Rededication Ceremony and Penn State Glee Club 90th Anniversary Homecoming Concert, 8:30 p.m., Schwab.

Sunday, Oct. 22

Pre-Vet Club/Nittany Kennel Club, Fun Match Dog Show, fields south of Beaver Stadium, 9 a.m.-4 p.m.

University Chapel Service, Luther Harshbarger, humanities and religious studies, 11 a.m., Music Bldg. Identify carriers of Tay-Sachs Disease, 1-4 p.m., HUB Ballroom.

Shaver's Creek Nature Center, History Walk, "Reading the Landscape," 2 p.m., Stone Valley.

Artists Series, Martha Graham Dance Company, 3 p.m., Eisenhower Auditorium.

Un-Common Dinner Theatre, dinner, 6:30 p.m., *Dames at Sea*, 8 p.m., Kern Bldg.

Monday, Oct. 23

First day for signing winter term NDSL and University Long Term Loans, Room 108 Shields.

Last date for November graduates to deliver theses to Graduate School Offices.

Last date for Departments to certify to Graduate School completion of required papers for November graduates.

France-Cinema, Jean Vigo, *L'Atalante*, and Werner Herzog, *La Soufriere*, two complete showings, 7 and 9 p.m., Room 112 Kern.

Sigma Delta Epsilon meeting, Thomas F. Monar, on "Maintenance in the Non-Monetary Environment: Behavior Consequences," 8 p.m., Room 101 Kern.

June Miller, organ, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 24

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College, Roger Cornish, theatre and film, on "All the King's Men - Novel to Stage to Screen."

Comp. Lit. GSA Film, Visconti, *The Damned*, 7 and 9:30 p.m., Room 112 Kern.

Artists Series film, Rogers and Astaire, 1935, *Roberta*, 8 p.m., Eisenhower Auditorium.

English Colloquium, Rodelle Weintraub, English, on "Shaw's Celibate Marriage: Its Impact on His Plays," 8 p.m., Room 101 Kern.



Peggy Lyman of the Martha Graham Company in "Appalachian Spring." See story on page 4.

Wednesday, Oct. 25

History of Modern Science Public Lecture.

Sigmund Koch, psychology and philosophy, Boston University, on "The Meaning of Behaviorism: A Study in the Pathology of Knowledge," 4 p.m., Room 101 Kern.

Commonplace Theatre, *Key Largo*, 7 and 9 p.m., Room 112 Kern.

Raymond Page, viola, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 26

Sports: field hockey, vs. West Chester, 2 p.m., Lady Lion Field.

Japanese Language Program, Japanese films, 7:30 p.m., HUB Assembly Hall. "Four Seasons for Children," "Women of Modern Japan," "This Year We Went to Japan," "A Sense of Urban Space: Kisho Kurokawa, a leading modern Japanese architect," and "Himeji Castle."

French Department, Compagnie Bernard Uzan, *En Attendant Godot*, 8 p.m., Eisenhower Auditorium.

University Theatre, Thornton Wilder, *Our Town*, 8 p.m., The Playhouse.

Friday, Oct. 27

Conference on Utopian Studies. Opening session, Kenneth M. Roemer, Texas-Arlington, on "Eyewitness to Utopia: Illustrations on Utopian Literature," 2 p.m.; An Evening of Visuals, Alan B. Shaw, Monroe Community College, on "Shanghai, Hangchow, Peking Commune: A View of Practical Utopias," and Eugenio Battisti, PSU, on "The Utopias Revisited as Museums," 9:15 p.m., Keller Auditorium.

Sports: J.V. football, vs. Wesley Junior College, 2 p.m., IM Field; springboard diving championships, Penn State Invitational, 7 p.m., Natatorium.

France-Cinema, *L'Atalante* and *La Soufriere*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *Our Town*, 8 p.m., The Playhouse.

Artists Series, Virtuosi di Roma, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 28

Sports: springboard diving championships, Penn State Invitational, 8 a.m.; finals, 3:30 p.m., Natatorium.

Sports: field hockey, vs. Ursinus, 2 p.m., Lady Lion Field.

France-Cinema, Truffaut, *Stolen Kisses*, 7 and 9 p.m., Room 112 Kern.

Shaver's Creek Nature Center, "Ghoulies and Beesties and Things that Go Bump in the Night," 8 p.m., Stone Valley.

UCC, Milestone Jazzstones, 8 p.m., Eisenhower Auditorium.

Auditorium. Ticket sales begin Oct. 19, 9 a.m., HUB Desk.

University Theatre, *Our Town*, 8 p.m., The Playhouse.

Sunday, Oct. 29

University Chapel Service, Bruce Fisher, St. Paul's United Methodist Church, State College, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, "Animal Tracks and Traces," 2 p.m., Stone Valley.

Sports: soccer, vs. Shippensburg, 2 p.m., Jeffrey Field.

Seminars

Thursday, Oct. 19

Computation Center, "JCL (4 of 4)," Introductory programming background suggested, 7:30-9 p.m., Room 112 Osmond.

Friday, Oct. 20

Analytical Chemistry, Chris K. Kohlmeier, on "Excitation in Low Pressure Helium Discharge," 11-10 a.m., Room 333 Whitmore.

Population Issues Research Center, Samuel H. Preston, Population Division, United Nations, on "The Incidence of Divorce in the United States," 2:30 p.m., Room 167 Willard.

Philosophy, Michael Haer, The Sorbonne, on "A Critical Approach to the Heideggerian Interpretation of Technology," 3:30 p.m., Room 101 Kern.

Physics/Solid State Sciences (Taylor Lecture), Edward Teller, professor emeritus, University of California, on "Progress in Controlled Fusion," 3:50 p.m., Room 117 Osmond.

Physical Chemistry, Kermit Smyth, NBS, on "Opto-Galvanic Spectroscopy: A New Look at Atoms and Molecules," 4 p.m., Room 333 Whitmore.

Monday, Oct. 23

Political Science, Langdon Winner, MIT, on "Political Theory and Technological Design," 1:15 p.m., Room 101 Kern.

Medieval Studies, Janet M. Bak, medieval history, University of British Columbia, on "Symbolism of the State in the Later Middle Ages," 2:30 p.m., Room 124 Sparks.

Biochemistry and Biophysics, Robert L. McGeehan, University of Louisville, on "Liver Amylases and Glycogen Metabolism," 3:55 p.m., Room 101 Althouse.

Computation Center, "Magnetic Tapes (1 of 2)," suggested background of JCL Seminar or equivalent knowledge, 7:30-9 p.m., Room 112 Osmond.

A daily calendar of events is available around the clock at 865-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Tuesday, Oct. 24

Biochemistry and Biophysics, Robert L. McGeehan, University of Louisville, on "Liver Amylases and Glycogen Metabolism," 11:10 a.m., Room 101 Althouse.

Chemistry, Robert Taft, University of California, Irvine, on "Effects of Molecular Structure and Solvent on Proton Transfer Equilibria," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Edward J. Massaro, veterinary science, on "Mercury, Lead and Manganese Toxicology," 2:20 p.m., Room 126 Fenske.

Genetics, W. Edward Mercer, on "Control of Cellular Proliferation in Human Diploid Fibroblasts," 3:55 p.m., Room 111 Mueller.

Engineering Science and Mechanics, Michael Gaus, Applied Science and Research Applications, NSF, on "Current Earthquake Engineering Research Activity Supported by NSF," 4 p.m., Room 232 Hammond.

Wednesday, Oct. 25

Plant Pathology, Janet Robertson on "Disease Control: Cost to Society, Benefit to Society - The Ultimate Dilemma," 3:55 p.m., Room 112 Buckhout.

Geosciences, Phillip E. Playford, distinguished lecturer for the AAPG and Geological Survey of Western Australia, on "The Devonian Great Barrier Reef of the Canning Basin, Western Australia," 4 p.m., Room 112 Walker.

Thursday, Oct. 26

Ceramic Science, Minoru Tomazawa, Rensselaer Polytechnic Institute, on "Light Scattering from Phase Separated Glasses," 11 a.m., Room 301 Steidle.

Chemistry, Fausta Rameriz, SUNY-Stony Brook, on "Coordination Chemistry of Magnesium in Model Phosphatides in Transfer RNA," 12:45 p.m., Room 333 Whitmore.

Anthropology, Paul T. Baker, anthropology, Stephen McGraw, and Sarah Harbison, PIRO, on "Research Strategies, Fertility and Hard Diseases in Amazonian Samoa," 3:55 p.m., Room 101 Kern.

Physics, J. Birman, CUNY, on "Some Aspects of Nonlocal Optics," 3:50 p.m., Room 117 Osmond.

Acoustics, Lawrence R. Happ, Shure Brothers, Evanston, Ill., on "Studies in Pursuit of an Ideal Phonograph Cartridge," 4 p.m., Room 73 Willard.

Computation Center, "Magnetic Tapes (2 of 2)," suggested background of JCL Seminar or equivalent knowledge, 7:30 p.m., Room 112 Osmond.

Friday, Oct. 27

Analytical Chemistry, Mark Yuan on "Pattern Recognition Studies of Polycyclic Aromatic Hydrocarbon Carcinogens," 11-10 a.m., Room 333 Whitmore.

Solid State, C. G. McRae, Bell Labs, on "Electronic Surface Resonances of Crystals," 1 p.m., Room 339 Davy.

Philosophy, Walter Biemel, Staatliche Kunstakademie Dusseldorf, on "Art and Philosophy," 4 p.m., Room 101 Kern.

Physical Chemistry, Cliff Draper, Western Electric, Princeton, on "Laser Applications in Industry," 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open 9 a.m.-1 p.m., Monday, Tuesday and Wednesday.

Ethiopian collection.

HUB Gallery: Central Pa. Guild of Craftsmen exhibit, Homecoming exhibits, Trish Norton, airplane sculpture.

Kern Commons Gallery: "The Art of Boxing," paintings, prints and sculpture.

Museum of Art: open noon-5 p.m., daily except Monday. John P. Kensett, drawings, 19th century European paintings, drawings and sculpture from the permanent collection. "The Song of Roland," examples of Romanesque culture from the 12th and 13th centuries.

Rare Books Room, Pates Library: exhibition of works by two new Fellows of IAHS, Simon Belasco, Helmut Hager and Heinz Henrich, Oct. 23-28.

Robeson Cultural Center: open Monday-Friday, 9 a.m.-10 p.m. Tom McKinney, paintings, "Encyclopedia of Portraits."

Zoller Gallery: James McMullan, paintings, "Socio-Journalism," through Oct. 22.

Arts Roundup

Graham Company to dance this weekend

The powerful, illuminating art of the Martha Graham Dance Company comes to Eisenhower Auditorium when the Artists Series presents the company in concert there at 8:30 p.m. Friday and Saturday, Oct. 19-20, and Sunday, Oct. 21, at 3 p.m.

Choreographed by the legendary Martha Graham, who has redefined the tenets of modern dance, the company has been acclaimed throughout the world.

Miss Graham started her career in the 1920s, developing a stark, angular style which exposed the energy of dance and cast aside the straight leg and pointed toe of traditional ballet. Her style, both when she herself performed and now in the choreography of her company, does not seek to imitate emotion realistically, but to expand the acting process imaginatively.

Friday's performance, sold out by subscription, will include "Diversion of Angels," "O Thou Desire Who Art about to Sing," and "Phaedra."

Saturday's program consists of "Seraphic Dialogue," "The Owl and the Pussycat" and "Night Journey," while Sunday's concert will feature "Ecuatorial," "Cave of the Heart," "Diversion of Angels" and "Appalachian Spring."

Tickets for the Saturday and Sunday performances are on sale through Friday from 9 a.m. to 4 p.m. at the Artists Series HUB booth and at the Eisenhower Auditorium box office. Phone orders may be made using Master Charge or Visa by calling (814) 863-0255.

Page recital to feature works for violin and viola

Raymond Page, violist with the Alard String Quartet, will present a recital of works for violin and viola at 8:30 p.m. Wednesday, Oct. 25, in the Music Bldg. Recital Hall.

Mr. Page will be assisted in this program by Phyllis Triolo, pianist and Earl Williams, cellist.

The program will open with Beethoven's Sonata Opus 30, No. 1 for violin and piano. Sonata Opus 11, No. 4 for viola and piano by Paul Hindemith will follow the Beethoven piece. The Ravel Trio for violin, cello and piano will conclude the program.

Mr. Page, an associate professor of music, taught and performed last summer at the Chamber Music Conference and Composers Forum of the East at Bennington College in Vermont.

Mrs. Triolo recently presented a piano recital in the Phillips Gallery in Washington, D.C. Mr. Williams, a graduate student in acoustics, participated in a chamber music festival last summer in Hardwick, Vermont, as a member of the Craftsbury Chamber Players.

"Godot" to be performed in French on Oct. 26

The Department of French will present a performance of *En Attendant Godot* (Waiting for Godot) at 8 p.m. Thursday, Oct. 26, in Eisenhower Auditorium.

Produced by the French Theatre "Compagnie Bernard Uzan," the play will be directed by Mr. Uzan himself, a former student of the noted French actor Jean-Louis Barrault.

Tickets for the performance are on sale at \$3 in the French Department, Room 316 Burrows Bldg., and at the HUB. They will also be available at Eisenhower Auditorium the evening of the play.

A classic modern tragic-comedy by Nobel Prize winner Samuel Beckett, *En Attendant Godot* concerns the plight of two aimless tramps trying to fill their days as they wait as painlessly as possible for Godot, a personage who will explain their interminable insignificance, or put an end to it.

Mr. Uzan, 34, the founder and director of his company, will play the role of Estragon, one of the two tramps.

Winner of the French Actors' Guild

prize as Best Young Actor in 1967, Mr. Uzan has appeared in 60 plays in the United States and Europe. A film actor as well, he appeared in the "Great Composers" television series in which he played the roles of Beethoven, Berlioz, Mozart, Strauss and Mendelssohn.

Glee Club concert marks group's 90th anniversary

The Penn State Glee Club will celebrate its 90th anniversary with a Homecoming Concert at 8:30 p.m. Saturday, Oct. 21, in Schwab Auditorium. The concert marks the re-dedication of Schwab, which has been closed for renovations during the past year.

The Glee Club will perform a wide variety of pieces, ranging from the cantatas of Bach and Mozart to folk songs and popular glee club numbers.

Several guest artists and alumni guest artists will participate in the program, including Philip Dettra, assistant professor of music, who will be the piano accompanist on Mozart's "Eine Kleine Freimauerkantate," a cantata for male voices.

Baritone Douglas Smith '74, a former Glee Club president and assistant director of the Club from 1975-77, will be one of the featured soloists in this piece.

Another Glee Club alumnus, former piano accompanist Dan Hess '75, will join the Glee Club in J.S. Bach's "Good Fellows Be Merry" from "The Peasant Cantata."

The Hy-Los, 14 singers from the Glee Club, will be featured in a group of folk songs and glee club songs popular in the '20s and '30s.

Glee Club director Bruce Trinklein has arranged two Pennsylvania mining songs, "Union Man" and "Blue Monday," for the concert.

Assistant director David Hudson will be featured in two spirituals.

Organ recital by June Miller Oct. 23

An organ recital of works from the German Baroque and Romantic periods will be presented by June Miller at 8:30 p.m. Monday, Oct. 23, in the Music Bldg. Recital Hall.

Miss Miller, an associate professor of music, will present three works by J.S. Bach for the first half of the program. She will perform Prelude in E-flat and Fugue in E-flat, both from *Clavierbung III*, and three numbers from *Achtzehnte Chorale* now *verschiedener Art* — "An Wasserflüssen Babylon," "Herr Jesu Christ, dich zu uns wend" and "O Lamm Gottes, unschuldig."

Works of Schumann, Brahms and Liszt comprise the second part of the program. Miss Miller will play Three Chorale Preludes by Brahms — "Mein Jesu, der du mich" (Opus 122), "O Traurigkeit, O Herzelied" and "Es ist ein Ros' entsprungen" (Opus 122). Brahms' Prelude and Fugue in A Minor is also included in the program.

The recital will conclude with Liszt's Introduction and Fugue on "Ad nos, ad salutem undam."

Miss Miller, a graduate of Hood College and the Yale University School of Music, is an active member of the American Guild of Organists.

Jazz greats coming to Penn State

The University Concert Committee is bringing three giants of jazz to Penn State's Eisenhower Auditorium at 8 p.m. Saturday, Oct. 28.

Pianist McCoy Tyner, tenor saxophonist Sonny Rollins and bassist Ron Carter will team up as the "Milestone Jazzstones." Tickets, costing \$4, \$5 and \$6, are on sale today (Thursday) at the HUB desk.

Soprano Suzanne Murphy to offer recital Oct. 30

Soprano Suzanne M. Murphy will present a recital at 8:30 p.m. Monday, Oct. 30, in the Music Bldg. Recital Hall.

A graduate teaching assistant in voice, Miss Murphy will perform three songs by George Frideric Handel and six songs by Hugo Wolf, including "Verborgeneheit." She will also present several operatic arias including "Ach ich fühl's" from Mozart's *The Magic Flute* and "Adele's Laughing Song" from Strauss' *Die Fledermaus*. Also on the program will be three Irish folk songs.

Miss Murphy received a B.A. in music from the State University College at Oneonta, N.Y. She has sung several opera roles, performing as Sister Angelica Furdiligi in Mozart's *Così Fan Tutti* and Magda Sorel in Menotti's *The Consul*. She has also appeared in the Catskill Festival Opera Company's production of *Amahl and the Night Visitors*.

In addition, Miss Murphy has performed in several musical comedy roles. Timothy Shuey, pianist, will accompany Miss Murphy in this program.

Realist paintings being shown at Zoller

"James McMullan: Socio-Journalism," a show of realist paintings, will be on display at the Zoller Gallery through Oct. 22.

Mr. McMullan's works have been described as social commentary on certain aspects of contemporary American life. Calling himself a humanist, he has taken black-and-white photographs and transformed them, through the use of shape, color and texture, into paintings.

The subjects for Mr. McMullan's paintings range from young people involved in the current disco scene to professional baseball players undergoing spring training. Two series which focus on these topics, "Tribal Rites of the New Saturday Night" and "The Rigors of Spring Training," are featured in the Zoller Gallery show. "Tribal Rites" appeared in New York magazine in June 1976, and "The Rigors" was featured in Sports Illustrated in March 1977.

The exhibition, which is sponsored by the American Institute of Graphic Arts in New York, can be seen at Zoller from 9 a.m. until 5 p.m. Monday through Friday, and noon until 5 p.m. Saturday and Sunday.

Astaire-Rogers come to Eisenhower in "Roberta"

Roberta, the 1935 musical that established the Fred Astaire-Ginger Rogers mystique, will be presented at 8 p.m. Tuesday, Oct. 24, in Eisenhower Auditorium, as part of the Artists Series Film Festival.

Probably the least known of their films, the movie is a key to the development of their screen personas. An ebullient musical, part of the festival's Tuesday Series devoted to operas and musicals as film, the picture contains the first romantic adagio created by Astaire for himself and Rogers, to "Smoke Gets in Your Eyes." Music in the film was composed by Jerome Kern, and it was directed by William S. Koster. Randolph Scott and Irene Dunne also star.

Tickets are available at the door starting at 7:30 p.m. the night of the presentation.

Architect to speak tonight

Architect Susana Torro will present a lecture entitled "Architecture Between Formal Autonomy and Social Concern" at 8 p.m. Thursday, Oct. 19, in Room 105 Forum Bldg.

Mrs. Torro, a native of Argentina who moved to the United States in 1966, has designed residential and commercial buildings in Argentina, Puerto Rico, the Dominican Republic, Australia and the United States.

Exhibitions of Mrs. Torro's designs have been on display at the Museum of Modern Art, the Cooper-Hewitt Museum and the Institute for Architecture and Urban Studies in New York.

SUPPORT CENTRE COUNTY UNITED WAY



As of Oct. 11, 587 Penn Staters at University Park had contributed a total of \$46,000 toward this year's United Way goal of \$95,000. Agriculture leads the way — 96 of its employees have contributed \$7,646. Others in the top five are Engineering, where 47 employees gave \$4,715; Liberal Arts, with 39 employees giving \$3,254; Science, with 41 employees contributing \$3,027; and Health, Physical Education and Recreation, with 28 employees donating \$2,808.

WPSX Highlights

A little known outgrowth of the Midwest crisis is the Sinai Field Mission, an American-run surveillance base in the buffer zone of the Sinai Desert between Egypt and Israel, established under the terms of the Sinai II Agreements in 1975. Documentarian Frederick Wiseman details the lives of the 163 Americans who are stationed at the base. Wiseman's film, *Sinai Field Mission*, can be seen Saturday, Oct. 21, at 10 p.m.

In 1971, a 55-year-old London postal sorter named Paul Chalkcraft took the opportunity of an English postal strike to locate a house in the south end of the city where painter Vincent van Gogh had lived a century before. The postman's hobby was painting copies of van Gogh masterpieces, and his search eventually led to the discovery of a new van Gogh drawing in an attic in Devon. The story of Chalkcraft's search is told in Vincent's *Other Postman*, Sunday, Oct. 22, at 8 p.m.

Masterpiece Theatre returns to the Edwardian days that were the setting of *Upstairs/Downstairs* with a new fifteen-part drama, *The Duchess of Duke Street*, beginning Sunday, Oct. 22, at 9 p.m. The drama tells the story of a saucy, cockney scullery maid who became the confidante of statesmen, titled aristocracy, and royalty in turn-of-the-century London. Gemma Jones stars as Louisa Trotter, the ambitious young woman whose character was suggested by the real life of Rosa Lewis, owner of the Cavendish, London's most famous Edwardian hotel.

The condition of highways and other roads in Central Pennsylvania represents an important election issue, according to guests appearing in a 30-minute discussion, Tuesday, Oct. 24, at 7:30 p.m. on Talkabout. Joining program host John Grant are Thomas Larson, director of the Pennsylvania Transportation Institute, and David Sims, Penn DOT's deputy secretary for highway administration.

America's archaeological treasures are being destroyed by "pot hunters" — people who dig up ancient Indians ruins in search of artifacts to sell or collect. Tuesday, Oct. 24, at 10:30 p.m., *Thieves of Time* explores the problem which archaeologists say will result in the total destruction of these sites within a generation.

Penn State Intercom

Council data released to community

The Provost's Office has released a document prepared by University Council summarizing the information Council collected during the course of its hearings on the question of whether or not selected police service officers should be armed.

The document was released to make the information it contained available to the University Park community in advance of hearings scheduled by the Undergraduate Student Government on Oct. 25 and the University Faculty Senate meeting Oct. 31. Early in their hearings, University Council members had set a target date of Oct. 19 for preparing a recommendation requested by Provost Edward D. Eddy on the sidearms issue.

However, in light of the USG hearings and the Senate's upcoming forensic discussion of the issue, Council decided to put off drafting its recommendation until at least Nov. 2.

The Provost had announced earlier that he would defer making his decision until after the Senate meeting.

Included in the Council's report to the Provost is a history of law enforcement on the University Park campus; a summary of a report presented to Council by David Stormer, director of University Safety, and of accounts by the law enforcement officials who appeared before Council at two different hearings. Statements made by members of the University community at open hearings Oct. 12 were also summarized.

The report's appendices provide a complete transcript of the various hearings and Mr. Stormer's report.

The report does not attempt to draw conclusions from the data.

Copies of the report are being made available to interested faculty, staff and students at the Reference Desk of Pattee Library and at the HUB Desk.

At an Oct. 19 evening meeting, Council heard from three members of the Department of University Safety, Police Service Officers Bruce Kline, Ronald Schreffler and John Rideout.

Officers Schreffler and Kline described two incidents in which they had personally confronted armed individuals in the course of their duties. Mr. Kline noted that while pursuing five motorcycle gang members from Altoona, he had seen them discard a 22 magnum.

"I think that was only because they were unfamiliar with the campus and I assumed that we were armed," he said. "I am afraid that may not happen again after."

(Continued on page 8)

Personal vacation day may be used for Pitt game

In view of the scheduling of the Pitt-Penn State football game on Friday, Nov. 24, at Beaver Stadium, University employees (in other than essential services) are authorized to use that day as a day of their personal leave or vacation.

University administrators responsible for various offices and programs are authorized to close offices or to maintain a skeletal staff as required. Questions may be referred to personnel representatives or Campus business managers.

Questions for faculty and staff to help in planning for 1980s

The following questions were prepared by the members of the Plan for the '80s Task Force which is concerned with faculty and staff. Since the Task Force is eager to receive as much input as possible from the University community, it hopes that these questions will stimulate communication. Although communication should be in written form, the mode of expression may be extremely informal, according to Task Force Chairman Carol B. Cartwright. Writers may address any one or all of the issues raised.

The Task Force is eager to hear from members of the University's staff as well as from faculty, and all contributions should be signed. Open hearings will also be held later to give faculty and staff further opportunities to voice opinions.

Correspondence should be sent by the end of fall term either to Dr. Cartwright, Room 155 Chambers Bldg., University Park; or to Ruth Hollinger, Room 315 Old Main, University Park.

1. Is Penn State's faculty stronger (of higher quality) than it was five years ago? What is required to ensure a faculty of high quality for the 1980s?

2. What are some creative, yet realistic ways of maintaining faculty/staff vitality through the 1980s? Consider the implications of factors such as: enrollment, financial resources, effect of new retirement laws, mobility among the professoriate.

3. What constitutes an appropriate mix of human resources for the University? How should factors such as the following figure in the mix: academic discipline, affirmative action, College affiliation, location, rank, type of appointment (e.g., part-time/full-time, faculty/staff, standing/fixed term)?

4. What is your perception of the University's track record in matching the reward structure to the assignment/load of the individuals it rewards? If you think it is good, what makes you think so? If it is poor, how would you change it?

5. Would you agree with the statement that salary increases and other rewards should be tied closely to performance evaluations? Why? Why not?

6. If you were to list those things that make your position at PSU interesting and challenging, what would appear in the top three places on your list? Do you feel that your colleagues across the University would be in close agreement with the items on your list?

7. What specific actions can be taken by the University to affect positively the morale of faculty and staff?



Dr. Axelrod

Dr. Purcell

Dr. Vale

Three researchers to give Chemerda lectures

Three distinguished researchers, two of them Nobel Laureates, will offer the first annual John M. Chemerda Lectures in Science at the University Thursday, Nov. 2, in Room 119 Osmond Laboratory.

The series of three free public lectures will be presented in two sessions at 3 and 7 p.m. At the afternoon session, Dr. Wylie W. Vale Jr. of the Salk Institute will discuss "Neuropeptides." During the evening session Dr. Edward M. Purcell, Nobel Laureate in Physics, will present a talk entitled "The Physics of the Bacterial Environment," and Dr. Julius Axelrod, Nobel Laureate in Medicine, will discuss "Catecholamine Neurotransmitters."

The lectures are sponsored by the College of Science.

Dr. Vale is associate research professor, The Salk Institute, and adjunct associate

professor, Department of Medicine, University of California, San Diego. He joined the Salk staff in 1970 and specializes in research on peptide hormones in the brain and pituitary. He has received the Van Meter-Armour Award of the American Thyroid Association.

Dr. Purcell has spent most of his career at Harvard University, where he now holds the Gerhard Gade University Professorship. In 1952 he shared the Nobel Prize in Physics with Felix Bloch for their independent discovery of nuclear magnetic resonance, now widely used to study molecular structure and to measure magnetic fields. He has served as president of the American Physical Society and is a member of the National Academy of Sciences, the American Physiological

(Continued on page 8)

Senate will discuss arms issue Oct. 31

The University Faculty Senate will discuss the arming of campus security officers at its Oct. 31 meeting. The meeting will begin at 2:10 p.m. in Kern Bldg. Auditorium.

A resolution introduced by the Committee on Faculty Affairs at the Oct. 3 Senate meeting asked that Senate consultation be sought on this issue. The resolution was required to lie on the table until the Oct. 31 meeting since the unanimous consent to suspension of the Senate's rules, necessary for consideration of the resolution, was not given. (The text of the resolution was published in the Oct. 12 INTERCOM.)



Dean Robert J. Scannell, acting chairman of University Council, met with the Faculty Affairs Committee on Oct. 17. Council has been holding a series of hearings to collect information and opinions on whether or not selected members of the campus security force should carry sidearms.

The Committee heard an informal report from Dean Scannell. David Stormer, director of University Safety, also appeared before the Committee.

Three informal reports from standing committees are on this month's Senate agenda. The Committee on Extended Degrees has found a proposal for an extended degree program in Vocational Industrial Education to be academically sound.

The program is intended to meet the certification needs of teachers in vocational technical high schools in the central Pennsylvania area, a pool of some 300 prospective students. Campuses which would serve as locales for instruction are Altoona, Capitol, DuBois, York and University Park. Courses and faculty resources necessary to implement the program are already in place at these Campuses.

The Committee on Continuing Education will present senators with a report developed by Dr. Robert Pritchell, president of Postsecondary Educational Resources, Inc. (PER). The report appeared in a bi-weekly review published by PER for continuing education administrators, and praises Penn State's programs.

"Our review of Penn State's Continuing Education Division," the report says, "invites an analogy with the institution's football team: it plays a superb, consistently winning game without the razzle-dazzle of some of the flashier teams in the league." The report also takes note of several problem areas, among them an unexpected drop in credit enrollment this year, increasing competition for students from other institutions, and inadequate funds for program development.

(Continued on page 8)

Penn Staters



Dr. Ronald A. Chez, a former clinical professor at Howard University College of Medicine, has been appointed professor and chairman of the department of obstetrics and gynecology at Hershey, effective Oct. 1.

A Chicago native, Dr. Chez earned an A.B. degree from Johns Hopkins University (Phi Beta Kappa) and an M.D. from Cornell University Medical College.

After a two-year tenure as a research fellow in biophysics and as a U.S. Public Health Service trainee in reproductive physiology at Harvard Medical School, Dr. Chez was appointed assistant professor of obstetrics and gynecology at the University of Pittsburgh. He was promoted to full professor and also named dean of academic affairs at Pitt.

In 1971, he joined the National Institute of Child Health and Human Development in Washington, D.C., as chief of its Pregnancy Research branch, subsequently becoming clinical director. Simultaneously, he served as professor of obstetrics and gynecology at George Washington University School of Medicine and as a clinical professor at both Howard University College of Medicine and Georgetown University School of Medicine. He was a full-time professor at Howard during the past year.

Author of more than 140 articles for professional publications, Dr. Chez also serves on the editorial boards of the *Journal of Medical Primatology*, *Contemporary Ob/Gyn*, *Perinatology/Neonatology* and *Clinical Diabetics*.

Dr. James E. Wright Jr., professor of genetics, was co-chairman of a session on "Animal Cytogenetics and Karyosystematics at the XIVth International Genetics Congress held in Moscow in August." He also presented a paper there entitled "Chromosome Banding Studies of Robertsonian Translocations in Trout."

Burt Fenner, professor of music, has been designated as an ASCAP (American Society of Composers, Authors and Publishers) Award recipient for 1978-79 for excellence in the field of composition.

Dr. M. A. Vannice, associate professor of chemical engineering, recently gave an invited seminar at the first meeting for 1978-79 of The Catalysis Society of New York, held in Saddlebrook, N.J. In his talk, "Metal-Support Effects in CO Hydrogenation Over Group VIII Metals," he discussed the behavior of a new family of catalysts in the methanation and Fischer-Tropsch synthesis reactions. Dr. Vannice, along with Exxon, was granted patents for these new catalysts.

Dr. Eugenio Battisti, Evan Pugh Professor of art history, recently presented a paper at the first Australian Conference on Italian Culture and Italy Today. His topic was "The Visual Arts in Contemporary Italy." While in Australia, he lectured at the Universities of Sydney and Brisbane on Giorgione, Brunelleschi and the Italian Gardens of the Renaissance.

Dr. Battisti also recently presented papers at two international congresses in Italy. At a meeting on seismic problems, sponsored jointly by Italy and the U.S.S.R., Dr. Battisti presented a survey of earthquake provisions in old treaties on architecture and of legislation in southern Italy in the 17th and 18th centuries designed to provide earthquake resistant houses. At a conference commemorating the fifth centennial of the birth of Castiglione, author of the well known Renaissance book, *Cortigiano*, Dr. Battisti spoke on the visual behavior of the courtesan. During his European visit, Dr. Battisti also addressed a conference on industrial archeology, sponsored by the British Council.

Harry M. Crain, associate professor, and Lynn A. Poole, research associate at the Applied Research Laboratory, are the inventors of an analog-digital ratio detector for which U.S. Patent No. 4,101,839 has been granted. The invention, which separates desired information from an unintelligible combination of interfering noise and information, includes the ability to delete interfering noise that varies widely in intensity over very long periods of time.

Dr. Ernst Schurer, professor and chairman of the Department of German, gave an invited paper at a symposium celebrating the centenary of the birth of Georg Kaiser, leading German expressionist dramatist. The symposium was hosted by the University of Alberta, Edmonton, Canada.

Dr. James O. Whitaker, professor of psychology at Capital Campus, presented a paper at the 32nd International Congress of Alcoholism and Drug Dependence in Warsaw, Poland, Sept. 3-8. The paper was titled "Alcohol Use and the American Indian - Some Sociocultural Lessons about the Nature of Alcoholism."

Dr. Frederick W. Lampe, professor of chemistry, presented a series of talks in Europe in September. He spoke at a NATO Advanced Study Institute on the Kinetics of Ion-Molecule Reactions in La Baule, France, at the Colloquium of the Hahn-Meitner Institut für Nuclear Research in West Berlin; and at a colloquium at the Max-Planck Institut für Carbon Research in Mulheim, Germany.

Dr. Gerd M. Rosenblatt, professor of chemistry, presented seminars at Purdue and Georgia Tech this month on "Internal and Translational Energy Accommodation in Gas-Surface Collisions." At Georgia Tech, he also spoke on "Rotational Raman Scattering as a High Temperature Probe."

Dr. Floyd W. Hicks, professor of poultry science extension, presented a paper on "Managing the Environment for Genetic Conservation" at the XVth Congress of the World's Poultry Science Association in Rio de Janeiro, Brazil, in September. Dr. Hicks was awarded a travel grant by the USDA Branch based on competitive ranking of scientific papers.

Dr. Winfred M. Phillips, professor of aerospace engineering, recently presented a paper in Leiden, The Netherlands, on "An Automatically Controlled Artificial Heart: Long Term In Vivo Experience;" and in Aachen, West Germany, on "Rheology of Blood in Viscometric Flows: The Influence of Cell State and Concentration on Stability." He also served as chairman of the session on Bioregulation at the 1st International Conference on Mechanics in Medicine and Biomechanics in Aachen.

Associate Professors Robert W. Christina and Daniel M. Landers from the Motor Behavior Laboratory in the College of Health, Physical Education and Recreation, have been appointed Section Editors of the Research Quarterly of the American Alliance of Health, Physical Education and Recreation. Dr. Christina is the Section Editor for the Motor Learning area, and Dr. Landers is Section Editor for the Sport Psychology area.

Dr. Sigmund S. Birkenmayer, professor of Slavic languages, was elected to a two-year term as president of the Association for the Advancement of Polish Studies at the annual convention of the American Association for the Advancement of Slavic Studies. The convention was held in Columbus, Ohio, on Oct. 13.

Nelson H. Gotwalt, Extension news editor and associate professor of agricultural communications, has been awarded the 1978 National Cooperative Month's Cooperative Communications Award. The purpose of Cooperative Month, which is being observed in October, is to increase the public's understanding of cooperatives and their place in American business.

Dr. Harry R. Alcock, professor of chemistry, presented two plenary lectures at the American Chemical Society meeting in Miami Beach. He spoke on "Poly(halophosphazenes) as Substrates for Polymer Synthesis" and "New Phosphazene High Polymers Via Organometallic Reactions."

Robert A. Wood has been promoted to assistant professor of finance in the College of Business Administration, effective Oct. 1.

Bookshelf

Dr. Thomas M. Kando, associate professor of recreation and parks, is the author of a new book, *Sexual Behavior and Family Life in Transition*, published by Elsevier, N.Y.

As a marriage and family text, the book provides a functional approach to such topics as dating and marrying and an institutional, historical and cross-cultural treatment of the family.

The book also covers sex roles, alternative lifestyles, feminism, sexual politics and the physiology of sexual and reproductive behavior. Data are derived from various disciplines, including sociology, psychology, anthropology and social psychology, and from sources ranging from Kinsey and Masters-Johnson to current social survey research. The perspective is essentially socio-biological, attempting to recognize the complex nature of human sexual behavior and the need to approach it in an interdisciplinary fashion.

Retirement

John D. Gapen, Green County Extension director, will retire Oct. 31 with 31 years of service.

During his tenure in Green County, he helped to build strong dairy and sheep marketing programs. He worked closely with Penn State's Department of Dairy and Animal Science and Veterinary Science in conducting experiments with new drugs for parasite control.

Mr. Gapen received a B.S. in agricultural economics from Penn State in 1939 and an M.S. in farm management from the University of Connecticut in 1941.

In 1965 he received the Distinguished Service Award from the National Association of County Agricultural Agents.

Obituaries

Albin E. Tacoslosky, who retired in 1971 as associate professor of engineering at Schuylkill, died Oct. 14. He was 72. A 1930 graduate of Penn State in electrical engineering, Mr. Tacoslosky joined the faculty as an instructor in engineering at the former Pottsville Center in 1946. He also taught at the Hazleton Campus.

F. W. Bateson, eminent British scholar and critic, and a long-standing friend of the University, died at his home in Brill, England, Oct. 16. He was 77. Prof. Bateson first came to Penn State as a Distinguished Visiting Professor of English in 1960-61

and subsequently made several other visits, in the course of which he made significant contributions to the development of Pattee Library.

A Fellow of Corpus Christi College, Oxford University, Prof. Bateson edited the Cambridge Bibliography of English Literature, and founded and for many years edited *Essays in Criticism*. Mrs. Bateson's current mailing address is Temple House, Brill, Aylesbury, Bucks, United Kingdom.

Ten faculty receive IAHS fellowship grants

Ten faculty members have been awarded research fellowships by the Institute for the Arts and Humanities Studies. The fellowships are for winter/spring 1978-79. The recipients are:

Dr. Michael C. Danahy, associate professor of French, for a study of Balzac's insights into the transformation of ethical and esthetic values in *Old Goriot*;

Dr. Gabriel M. Escobar, associate professor of anthropology, for preliminary processing and analysis of texts of the (Peruvian) Quechua language, Cuzco dialect, toward the compilation of a "Quechua-Spanish Dictionary of Spoken Use;"

Charles N. Firmin, assistant professor of theatre arts, for experimentation in capturing visual experience in the theatre in order to preserve performance qualities for study;

Dr. John B. Frantz, associate professor of American history, for research on "The Awakening of Religion among the German Settlers in Colonial Pennsylvania, 1720-1776;"

Dr. Cyril E. Griffith, associate professor of history, for research on "The History of African Methodist Episcopal Missions in Africa;"

Dr. Robert N. Hudspeath, associate professor of English, for research on an edition of the letters of Margaret Fuller;

Dr. George L. Maurer, professor of art history, for preparation of an exhibition, "Cuno Amiet and Brucke, 1905-13" at Kunsthallen in Zurich and Brucke-Museum in West Berlin;

Diane Peep, assistant professor of art, for experimentation and research in various methods and procedures for producing handmade paper;

Judith Van Herik, instructor in religious studies, for preparing a manuscript for publication on Freud's theories of gender as they apply to his concept of religion; and

Dr. David L. Webster, assistant professor of anthropology, for an archaeological survey in southeastern Turkey.

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University Park Calendar

Oct. 26-Nov. 5

Special Events

Thursday, Oct. 26

Japanese Language Program, Japanese films, 7:30 p.m., HUB Assembly Hall. "Four Seasons for Children," "Women of Modern Japan," "This Year We Went to Japan," "A Sense of Urban Space: Kisho Kurokawa, a leading modern Japanese architect," and "Himeji Castle."

French Department, *Compagnie Bernard Uzan, En Attendant Godot*, 8 p.m., Eisenhower Auditorium.
University Theatre, *Thornton Wilder, Our Town*, 8 p.m., The Playhouse.

Friday, Oct. 27

Conference on Utopian Studies. Opening session, Kenneth M. Roemer, Texas-Arlington, on "Eyewitness to Utopia: Illustrations on Utopian Literature," 2 p.m.; An Evening of Visuals, Alan B. Shaw, Monroe Community College, on "Shanghai, Hangchow, Peking Commune: A View of Practical Utopias," and Eugenio Battisti, PSU, on "The Utopias Revisited as Museums," 9:15 p.m., Keller Auditorium.
Sports: J.V. football, vs. Wesley Junior College, 2 p.m.; IM Field; speedway diving championships, Penn State Invitational, 7 p.m., Natorium.
France-Cinema, *Jean Vigo, L'Atalante* and *Werner Herzog, La Soufriere*, two complete shows, 7 and 9 p.m., Room 112 Kern.
Hungarian Folkdance Workshop, 7:30 p.m., Walnut Bldg.
University Theatre, *Our Town*, 8 p.m., The Playhouse.
Artists Series, *Virtuosi di Roma*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 28

Sports: springboard diving championships, Penn State Invitational, 8 p.m., finals, 3:30 p.m., Natorium; field hockey, vs. Ursinus, 2 p.m.; Lady Lion Field.
Hungarian Folkdance Workshop, 10 a.m., all day, Walnut Bldg.
France-Cinema, *Truffaut, Stolen Kisses*, 7 and 9 p.m., Room 112 Kern.
Shaver's Creek Nature Center, "Chouilles and Beastes and Things that Go Bump in the Night," 8 p.m., Stone Valley.
UCC, *Milestone Jazzstones*, 8 p.m., Eisenhower Auditorium.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Sunday, Oct. 29

Hungarian Folkdance Workshop, 10 a.m., Walnut Bldg.
University Chapel Service, Bruce Fisher, St. Paul's Methodist Church, State College, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, "Animal Tracks and Traces," 2 p.m., Stone Valley.
Sports: rifle team, vs. Navy and Army; soccer, vs. Shippensburg, 2 p.m.; Jeffrey Field.
Gallery Talk, Dr. Ralph C. Matcove, New York City art collector and donor to the Museum's collection, on "An Aspect of Chinese Art," 2:30 p.m., Museum of Art.
Commonplace Halloween Party, for 2-12 year old children of faculty, staff and students, admission by costume only, 6:30-9 p.m., Kern Bldg.

Monday, Oct. 30

Lat. & Top. deadline
Last day for signing fall term NDSL and University Long Term Loans, Room 108 Shields.
France-Cinema, *Stolen Kisses*, 7 and 9 p.m., Room 112 Kern.
Suzanne M. Murphy, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 31

Fixed date for meetings involving Commonwealth Campus faculty.
Red Cross Bloodmobile, 10 a.m.-3:30 p.m., HUB Ballroom.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College, Kenneth Thigpen, English and comp. lit., on "The Emergence and the Cave: Playwright and Tewa Indian Myths."
Commonwealth Campus Causus, 1 p.m., Room 106 Chambers.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
FSHA 410, Original Irish Halloween meal, 5:30 p.m., Maple Room, Henderson. Costumes appropriate. Reservations, 865-7441 or 865-4693.
Shakespeare Film, *Midsummer Night's Dream*, 8:30 p.m., Room 101 Chambers.



The interior of the Old State Capitol in Baton Rouge, La. from an exhibit, "America's Architectural Heritage," now at the Museum of Art HUB Gallery.

GSA Comp. Lit. film, *Trojan Women*, a modern version of the Euripides tragedy, 7 and 9 p.m., Room 112 Kern.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Wednesday, Nov. 1

Red Cross Bloodmobile, 10 a.m.-3:30 p.m., HUB Ballroom.
Shakespeare Film, *Midsummer Night's Dream*, 6:30 p.m., Room 101 Chambers.
Commonplace Theatre, *Warner's Animation, Part II*, 7 and 9 p.m., Room 112 Kern.
Sports: women's volleyball, vs. Mansfield, 7 p.m., vs. Bucknell, 8 p.m., Eisenhower Auditorium.
Artists Series Film, *George Cukor, 1936, Camille*, 8 p.m., Eisenhower Auditorium.
University Theatre, *Our Town*, 8 p.m., The Playhouse.
Dept. of Spanish, Italian & Portuguese, Spanish Repertory Co. of New York, *Fernando de Rojas, La Celestina*, 8:15 p.m., Pavilion Theatre.
Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 2

Chemera Lectures, Wylie Vale, Salt Institute for Biological Studies, on "Neuropeptides," 3 p.m.; Edward Purcell, Nobel Laureate, Harvard University, on "Physics of the Bacterial Environment," and Julius Axelrod, Nobel Laureate, NIH, on "Catecholamine Neurotransmitters," 7 p.m., Room 119 Osmond.
College of Human Development, Alumni Recognition Convocation, 8 p.m., S-209 Henderson, Den Carolé Leland, on "These are the Times..."
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Friday, Nov. 3

College of Human Development, Alumni Recognition Award coffeehour, 8:30-9:30 a.m., Henderson Living Center; panel discussion by those who have worked in non-western cultures, 9:30 a.m., Maple Room, Henderson.
Sports: J.V. football, vs. Milford Academy, 2 p.m., IM Field.
SFO film, *Pink Floyd*, a concert film, 7, 9 and 11 p.m., Room 102 Forum.
University Theatre, *Our Town*, 8 p.m., The Playhouse.
Penn State Bass Choral and Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Nov. 4

Jedele Competition, 9 a.m., Music Bldg. Recital Hall.
Sports: football, vs. Maryland, 1:30 p.m., Beaver Stadium.
France-Cinema, *Werner Herzog, Heart of Glass*, 7 and 9 p.m., Room 112 Kern.
Penn State Blue Band, "Bandorama," 8 p.m., Eisenhower Auditorium.
University Theatre, *Our Town*, 8 p.m., The Playhouse.

Sunday, Nov. 5

University Chapel Service, Dan Davis, religious studies, 11 a.m., Eisenhower Chapel.
Sports: men's cross country, Middle Atlantic AAU Championships and Open Meet.

bowling, vs. Shippensburg.
Shaver's Creek Nature Center, "Mammals, Skinning and Tanning," 2 p.m., Stone Valley.
David Hudson, tenor, 3:30 p.m., Music Bldg. Recital Hall.
Commonplace Theatre, *Warner's Animation, Part II*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Oct. 26

Computation Center, "Magnetic Tapes" (2 of 2), suggested background of JCL Seminar or equivalent knowledge, 7:30 p.m., Room 112 Osmond.

Friday, Oct. 27

Analytical Chemistry, Mark Yuan on "Pattern Recognition Studies of Polycyclic Aromatic Hydrocarbon Carcinogenesis," 11:10 a.m., Room 333 Whitmore.
Solid State, E.G. McRae, Bell Labs, on "Electronic Surface Resonances of Crystals," 1 p.m., Room 339 Davey.
Philosophy, Walter Biemel, Staatliche Kunsthakademie, Dusseldorf, on "Art and Philosophy," 4 p.m., Room 101 Kern.
Physical Chemistry, Cliff Draper, Western Electric, Princeton, on "Laser Applications in Industry," 4 p.m., Room 333 Whitmore.

Monday, Oct. 30

Biochemistry and Biophysics, Melvyn Lieberman, Duke University, on "Physiological Insights from Growth Oriented Heart Cells in Tissue Culture," 3:55 p.m., Room 101 Althouse.
Computation Center, "FORMAC" (1 of 2), suggested background of fundamental algebra, 7:30 p.m., Room 112 Osmond.

Tuesday, Oct. 31

Biochemistry and Biophysics, Melvyn Lieberman, Duke University, on "Developmental Aspects of Membrane Properties in the Embryonic Heart," 11:10 a.m., Room 101 Althouse.
Organic Chemistry, Robert Tlumak, chemistry, on "The Prospect of Organic Superconductivity," 12:45 p.m., Room 333 Whitmore.

Research Applications of Computers, Richard Feldner, NIH, Bethesda, on "Macro Molecular Surface Graphics - A New Use of a Frame Buffer Display," 1 p.m., Room 325 Whitmore.

Psychology, Frank J. Landy, psychology, on "A Model of Performance Judgment," 1:15 p.m., Room 640 Moore.

Air Pollution Control, Samuel S. Lestz, mechanical engineering, on "Automotive Emissions," 2:20 p.m., Room 140 Fenske.

Chemical Engineering, Robert P. Merrill, Cornell University, on "Oxidation Reactions on Platinum Surfaces," 3:45 p.m., Room 140 Fenske.

Genetics, Ko Harada on "A Cytological Study of Turkey Partridgegenesis," 3:55 p.m., Room 111 Mueller.

Engineering Science and Mechanics, Thomas H. Cook, Division of Elizabeth Arden Inc., Lilly Research Labs, Indianapolis, on "Effect

A daily calendar of events is available around the clock at 865-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

of Ultra Violet Radiation on Skin Mechanical Properties," 4 p.m., Room 232 Hammond.

Geosciences, Kevin C. Burke, SUNY, Albany, on "Continental Collision: Tibet Now," 4 p.m., Room 22 Deike.

Inorganic Chemistry, Bruce Scott, Thomas J. Watson Research Labs, IBM, on "Structural and Stability Relationships in Pseudo 'One-Dimensional Solids,'" 8 p.m., Room 333 Whitmore.

Wednesday, Nov. 1

Penn State Mining Engineering Society, Otis Bennett, Jr., North American Coal Corp., on "Coal Industry Management of the Future," 7:30 p.m., Room 26 Mineral Sciences.

Thursday, Nov. 2

Ceramic Science, Harry C. Rogers, materials engineering, *Dr. Degradation in the Fracture of Pre-Stressed Members*, 11 a.m., Room 301 Stridle.

Chemistry, Frank Westheimer, Harvard University, on biochemistry of phosphorus, 12:45 p.m., Room 333 Whitmore.

History, Michael Bezilla, on "The Development of Electric Traction on the Pennsylvania Railroad, 1895-1966" (illustrated), 2:30 p.m., Room 101 Kern.

Physics, W. Paul, Harvard University, on "Properties of Amorphous Semiconductors with Particular Reference to Amorphous Si-H Alloys," 3:50 p.m., Room 117 Osmond.

Meteorology, John R. Hummel, General Motors Research Labs, Warren, MI, on "An Atmospheric Radiative-Convective Model with Interactive Water Vapor Transport and Cloud Development," 3:55 p.m., Room 112 Walker.

Acoustics, Keith Attenborough, The Open University, Milton Keynes, England, on "Output Propagation and Ground Impedance," 4 p.m., Room 73 Willard.

Computation Center, "FORMAC" (2 of 2), suggested background of PL/I programming, 7:30 p.m., Room 112 Osmond.

Friday, Nov. 3

Ceramic Science, Robert R. Reber, U.S. Department of Energy, on "Lattice Characteristic Temperatures, Thermal Expansion, and Phase Transitions," 11 a.m., Room 301 Stridle.

Analytical Chemistry, Paul Longway on "Cancer Screening by GC-MS of Permethylylated Polyamines," 11:10 a.m., Room 333 Whitmore.

Human Development, Beatrice Mensch-Mountjoy, Prince George's County Public Schools, and winner of the 1978 Alumni Recognition Award of College of Human Development, on "The Explosion of International Studies in the American School System," noon, Maple Room, Henderson.

Physical Chemistry, Denis Bogdan, Naval Research Lab, on "Chemical Formation and Chemiluminescent Decomposition of Dioxenes in the Gas Phase," 4 p.m., Room 333 Whitmore.

Anthropology Museum, open 9 a.m.-1 p.m., Monday, Tuesday, Wednesday, Archaeology of Mezzo-America.

HUB Gallery: Central Pa. Guild of Craftsman and Homecoming exhibits, through Oct. 28; Wendy Snesinger, photographs, and HUB Craft Center exhibit, open Nov. 1.

Kern Commons Gallery: "The Art of Boxing," paintings, prints and sculpture, through Nov. 4; Jo Stripling, acrylics, and Aeron Workshop, photographs, open Nov. 4.

Museum of Art: open museum-5 p.m., daily except Monday; European paintings, drawings and sculpture from the permanent collection; Oriental works of art from the permanent collection, "Art of the Heroic Era," art pieces from the 12th and 13th centuries.

Museum of Art HUB Gallery: open 8 a.m.-5 p.m., Monday-Friday, "America's Architectural Heritage," photographs of American structures from 12th century Indian buildings to post-World War II architecture.

Rare Books Room, Patter Library: exhibition of works by three new Fellows of IAHS, Simon Belasco, Hellmut Hager and Heinz Henrich, through Oct. 28.

Robeson Cultural Center: open Monday-Friday, 9 a.m.-10 p.m. Tom McKinney, paintings, "Encyclopedia of Portraits."

Arts Roundup

Virtuosi di Roma to perform Oct. 27

Virtuosi di Roma, an ensemble of 14 of Italy's most celebrated instrumentalists, will present a program of baroque music at 8:30 p.m. Friday, Oct. 27, in Eisenhower Auditorium. Their appearance is sponsored by the Artists Series.

Under the direction of its founder, Renato Fasano, the group is making its 12th tour of the United States. It has also performed throughout Europe, in Japan and in the Soviet Union.

Using six violins, two cellos, a contrabass, an oboe and a harpsichord, the Virtuosi draws its repertoire from the chamber music literature of 300 years.

The Virtuosi di Roma has played long neglected or even totally unknown works of all nationalities, but is best known for its championship of Italian baroque music, especially that of Vivaldi. It has also shed new light on such men as Bonporti, Marcello, Veracini and both Scarlatti.

Fasano, the ensemble's conductor, was the youngest director of a national conservatory (Pierluigi di Palestrina) in Italy. Also known as a pianist and composer, he has concertized extensively in Europe.

The Oct. 27 program will begin with Corelli's Concerto Grosso in D major, Opus 3, No. 4, for two violins and cello (concertino obbligato), two other violins, viola and double bass. The Concerto in E flat major for strings by Paisiello and the Concerto in B flat major for violin and cello concertanti by Vivaldi will complete the first half of the program.

The second half of the program will be devoted to Vivaldi's Concerto for Four Violins, Strings and Harpsichord, Opus 3.

Tickets for the performance will be sold Thursday, Oct. 26, and Friday, Oct. 27, from 9 a.m. to 4 p.m. at the Artists Series HUB Booth.

Alard concert Nov. 1

The Alard String Quartet, Penn State's quartet-in-residence, will present a concert at 8:30 p.m. Wednesday, Nov. 1, in the Music Bldg. Recital Hall.

The program will open with the Quartet in D major, opus posthumous by Franz Schubert. Following the Schubert piece will be Leos Janacek's Quartet No. 1, "The Kreutzer Sonata." This piece, not to be confused with a Beethoven sonata of the same name, was inspired by one of Leo Tolstoy's stories. The story, which deals with the experiences of a mistreated wife, indicts men's exploitation of women.

Beethoven's Quartet in F major, Opus 59 No. 1, will conclude the program.

The Alard String Quartet is composed of Joanne Zagst Feldman and Donald Hopkins, violinists; Raymond Page, violist, and Leonard Feldman, cellist. All are associate professors in the Department of Music.

Zoller shows paintings, drawings from Forum Gallery

An exhibition of paintings and drawings, "Three from the Forum," will be on display at the University's Zoller Gallery through Nov. 26. The show is on loan from the Forum Gallery in New York City. The 19-piece show includes works of Jules Kirschenbaum, Cornelius Ruhtenberg and Lionel Kalish. The three artists, who work in muted tones, exhibit representational elements in their works through figures, still lifes and some landscapes.

Jules Kirschenbaum's acrylic paintings deal with collage elements. In some of his paintings, objects such as thread, a miniature wooden chair and painted letters are superimposed directly on the canvas. He also uses the airbrush technique in his works.

He has had works exhibited at the Metropolitan Museum of Art, the Museum of Modern Art, the Whitney

Museum of American Art and the Art Institute of Chicago, as well as at the Forum Gallery.

Figures are a standard motif in Cornelius Ruhtenberg's works. Some of her paintings, done with acrylics on rice paper, reflect an Oriental approach. Like her husband, Jules Kirschenbaum, she has exhibited her works at the Museum of Modern Art, the Metropolitan Museum of Art and the Art Institute of Chicago.

Lionel Kalish is a former illustrator whose works reflect surrealist influences. He selects simple objects — still lifes and rendered figures — as the subjects of his paintings. He has received awards from the American Institute of Graphic Illustrators and the New York Art Directors Club. His work has appeared in advertising, promotion and publishing.

Wind Ensemble, Brass Choral to present a joint concert

The Penn State Symphonic Wind Ensemble and the Penn State Brass Choral will present a joint concert at 8:30 p.m. Friday, Nov. 3, in the Music Bldg. Recital Hall.

The concert, which is the first of the season for both groups, will consist almost entirely of works by 20th century composers.

The Symphonic Wind Ensemble will open the program. Featured in their repertoire is a piece written in 1968 by Vincent Persichetti. Entitled "Turn Not Thy Face" (opus 105), the choral prelude was commissioned by the Ithaca, New York, High School Band in memory of John F. Kennedy.

Also on the Symphonic Wind Ensemble's program is Fisher Tull's "Toccata," another contemporary piece.

The Serenade in E-flat Major (opus 7) by Richard Strauss represents the earliest work on the Symphonic Wind Ensemble's program. A romantic piece, it was composed for the orchestra woodwind section and horns.

The Penn State Brass Choral will open the second half of the program with Aaron Copland's "Ceremonial Fanfare."

Commissioned in 1969 by the Metropolitan Museum of Art in celebration of its centennial year, Edward Gregson's "Prelude for an Occasion" will follow the Copland piece. Written originally for the brass band, it was transcribed for brass ensemble by Ronald Renshaw, a former Penn State graduate student in music.

Other works to be performed include one by Chinese composer Chou Wen-Chung, "Soliloquy of a Bhiksuni" and David Baldwin's "Time: Friend or Foe?" The program will conclude with Paul Shahan's "Spectrum" and the "March for Brasses" by Edwin Franko Goldman.

The Penn State Symphonic Wind Ensemble, which includes some 40 members, has been selected to perform in January at the Pennsylvania Music Educators Association convention in Hershey. Smith Toulson, associate professor in the music department, conducts the group.

The 22-member Penn State Brass Choral is conducted by James Benshoof, assistant professor of music.

Marcoe to present Oct. 29 gallery talk

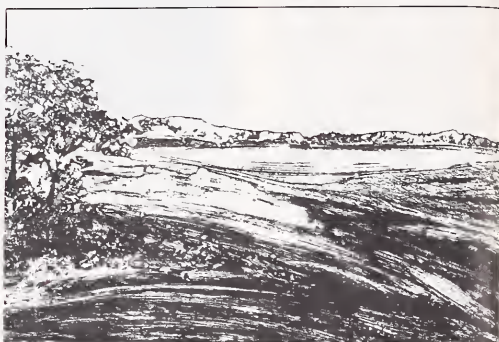
The talk by Dr. Ralph Marcoe, scheduled for Oct. 22 at the Penn State Museum of Art, has been rescheduled for next Sunday, Oct. 29, at 2:30 p.m. at the Museum.

Dr. Marcoe, who is a principal donor to the Penn State Permanent Collection, will speak about his personal collection of oriental works. He is a major collector of eastern treasures, and his gifts to the University have been pieces from the Orient.

Dr. Marcoe is an orthopedic surgeon in New York City. His visit next Sunday to the University will be his first to this area.



There's plenty to see and do at University Park this week. Above: "Basket," a painting by Jules Kirschenbaum, one of 19 works on display at Zoller Gallery. Right: Robert Albright and Andrea Brandt in a scene from *Our Town* at the Playhouse. Below: Drawing from the B.F.A. exhibit at Chambers Gallery.



Architectural photos in Museum HUB gallery

Architecture in America from the 12th century to the mid-'70s is being shown in a photographic exhibition at the HUB Gallery on the University campus.

Entitled "America's Architectural Heritage," the exhibition is a presentation of the Smithsonian Institution Traveling Exhibition Service in collaboration with architect, author and photographer G.E. Kidder Smith. It is sponsored by the Department of Architecture.

In connection with the HUB show, WPSX-TV will present a program called "An Architectural Odyssey with G.E. Kidder Smith" on Nov. 7 at 9 p.m., with a repeat scheduled for Nov. 11 at 4 p.m. The HUB Gallery will also feature a video-cassette of the WPSX program.

The exhibition's 234 black and white photographs are arranged chronologically beginning with structures built by Southwest Indians in the 12th and 13th centuries and continuing through post-World War II architecture. The accompanying text is by Mr. Smith.

Southwestern architecture, reflecting Indian and Spanish influence, will be documented in the first part of the exhibition. The Georgian and Federal periods of the 18th and early 19th centuries will be seen in photographs of structures from New England and the South.

Examples of Classic and Greek styles in American architecture are included in the exhibition, as well as a section on Eclectic architecture as represented by San Simeon. The Chicago School is represented by the works of Louis Sullivan and Frank Lloyd Wright.

Mr. Smith received grants from the Graham Foundation, the Ford Foundation and the National Endowment for the Arts to prepare this exhibition.

B.F.A. drawing, print exhibit at Chambers

The current show at the Chambers Gallery features a collection of works of candidates for a Bachelor of Fine Arts in the drawing and printmaking options. The B.F.A. is a

specialized degree which prepares candidates for graduate studies, professional training, or immediate participation in creative work.

The show incorporates a wide variety of printing techniques such as intaglio, which includes etchings, dry point, aquatint and viscosity, with various examples of lithography, wood block cuts and monotypes. The drawings include such techniques as charcoal, pastels and graphite.

Spanish Repertory Theatre to perform "La Celestina"

The Spanish Repertory Company of New York will present a performance of Fernando de Rojas's classic, *La Celestina*, at 8:15 p.m. Wednesday, Nov. 1, in the Pavilion Theatre.

The performance is being sponsored by the Department of Spanish, Italian and Portuguese.

Adapted from a original play-novel of the late 15th century, *La Celestina* is Spain's *Romeo and Juliet*. It tells the story of the love of the noble Calisto for Melibea, whom he meets while pursuing a falcon that has flown into her garden. Calisto employs the services of the old crone, Celestina, and with her help finally manages to enjoy the favors of Melibea. After a meeting with her, however, he falls from a ladder to his death, and Melibea hurls herself from a tower.

Written, according to Rojas, "as a warning to mad lovers . . . and advice against the deceptions of go-betweens and evil and flattering servants," the play has been performed by The Spanish Repertory Company more than 200 times and has won acclaim throughout the United States and Mexico.

Ticket information is available by calling the Department of Spanish, Italian and Portuguese at 865-4252, Room 352 N. Burrows Bldg.

In October, 1977, President John W. Oswald and Senate Chairman Thomas E. Daubert appointed a University Task Force on Programs for Academically Superior Students in response to a recommendation passed by the Senate in September, 1977. This recommendation stated

The Chairman of the University Faculty Senate and the President of the University are requested to appoint members to a University Task Force on Programs for Academically Superior Students. The task force is to study and report recommendations on how The Pennsylvania State University can make a stronger commitment to providing an atmosphere of academic excellence in undergraduate education.

This request for a special task force came from the subcommittee on Honors Programs of the Standing Committee on Undergraduate Instruction. In September, 1977, the Subcommittee proposed, and the Senate approved, changes in Policy 65-00, which deals with Honors Programs, in an effort to revise the policies to encourage more Honors Programs and facilitate the operation of the currently approved programs.

In proposing the changes in Policy 65-00, the Subcommittee also proposed the creation of a special task force because, as they reported,

Discussion by the Subcommittee of this topic has led us to conclude that any fruitful results must include administrative procedures as well as Senate policies. Such matters as providing sufficient incentive for both faculty and students to participate in various experimental or innovative programs and the need for flexibility in curricular requirements lead us to conclude that consideration must be given to more than just the honors programs as they are currently structured. A more wide ranging examination of possibilities is needed. The Subcommittee believes that a task force is best suited to consider the broad ramifications of such programs and report recommendations to the Senate and to the University administration.

This report is in response to these concerns and the charge from the President and the Senate Chairman.

Background

Public universities as well as private universities have found that special program opportunities for the superior student are necessary even in the face of difficult economic constraints. In some ways such programs are even more important because of changed university circumstances. The expanding range of student aptitudes which the large public universities now attempt to serve requires special attention to students with advanced intellectual capabilities as well as students whose previous education makes it difficult for them to succeed in standard college work. As the diversity among students has increased, the interest in programs to challenge the most capable students has grown. Special programs for superior students assist universities in attracting high school graduates of high academic capability, in communicating the university's concern for advanced scholarly accomplishment, and in providing the faculty with opportunities to work with students whose intellectual potential deserves their best efforts. The academic reputation of an institution is more important than its tuition rate in attracting academically talented students, according to a national survey of high school students entering college in 1976.

Programs for high potential students at eleven other public universities were studied by the Task Force. The experience of these other universities with programs for superior students suggests that they cannot succeed without committed faculty involvement. Arrangements for program coordination can only assist the faculty. The *sine qua non* for students of outstanding intellectual potential is the opportunity to work closely with professors who can illustrate and illuminate significant problems and issues which capture their common interest. However institutions organize such programs, their purpose is to recognize, support, and enhance such encounters.

Details of programs from other institutions range from activities concentrated in selected departments to an entire honors college in which students carry out their undergraduate education. Some programs concentrate on the first two college years; others have four year programs. For most universities special attention to the superior student is not likely to develop without designated honors leadership to encourage and assist departments and colleges and assistance in arranging for special study opportunities are enhanced by offices with such responsibilities. The academic needs of superior students may not be met without the special encouragement and coordination of such offices, because of the demanding instructional and research priorities that departments

A task force report on programs for academically superior students



regularly must maintain.

Typically, program directors have clerical assistance and a small budget with which to assist in special academic activities for the students and faculty. In almost every case, directors must rely on the cooperation of departments to provide most of the special courses and learning opportunities for students in the program.

Common characteristics in the university honors programs include identification of superior students by grade point averages and recommendations; special sections of general education courses; special seminars or courses of small size in which particular themes or interdisciplinary topics are explored; independent study arrangements; some latitude in degree requirements to pursue a specially approved curricular emphasis; designated advisers able to inform and encourage students toward particular study opportunities for which they are eligible, an honors center where students may gather informally with colleagues and faculty for discussion and occasional colloquia, and appropriate recognition of accomplishment on transcripts or diplomas and in university ceremonies.

The Goals of a University Scholars Program at Penn State

The Pennsylvania State University has an obligation to offer to all students the opportunity to work to their highest potential. Superior students should be given the opportunity to engage in intellectual activity which is adapted to their special abilities and which provides exciting challenges.

The offerings of the University are designed to meet the needs of a heterogeneous student body. Yet superior students deserve the opportunity to have their intellectual needs met as well. At the present time, the needs of gifted students at Penn State receive far less attention than those of academically disadvantaged students.

A firm commitment on the part of the University to provide an atmosphere of academic excellence would be fulfilled if the following conditions were met:

- I. The improvement of an academic environment for attracting superior students who might otherwise attend more prestigious institutions or who would enroll at other state universities with established and well publicized honors programs;
- II. A variety of special learning experiences made possible by offering a mix of instructional modes, i.e., lectures, seminars, colloquia, research assistantships and independent research and study opportunities aimed at challenging the most academically gifted students;
- III. Special recognition for those who participate in such programs;
- IV. Maximum flexibility in meeting the usual baccalaureate degree requirements in planning academic programs, to together with the opportunity to be advised by specially competent, highly interested faculty;
- V. Long range commitments from the university administration to the provision of an atmosphere of academic excellence in undergraduate education, commitments which would resist pressure to sacrifice special programs in the name of economy.

Proposed Structure of a University Scholars Program for Penn State

- I. General Principles:
 - A. The program structure should be university-wide and should include all academic units (college, department, campus).
 - B. The program structure should augment and extend, but not interfere in any way with the existing opportunities for superior students.
 - C. The University Scholars Program should provide the maximum educational opportunity to each participating student. It must provide for the superior student to achieve up to his or her maximum capacity and to achieve scholarly fulfillment.
- II. Curricular Structure
 - A. The following curricular opportunities and recognition for superior students presently exist at

Penn State:

1. Honors programs in some departments;
2. Honors major in some colleges;
3. Individual study or research programs not restricted to Honors students;
4. Recognition of superior scholarship via
 - a. Dean's list;
 - b. Honor societies;
 - c. Presidential awards;
 - d. Graduate awards;
 - e. Presidential Convocation once a year that recognizes scholarship.

B. The following are suggestions for new curricular opportunities in a university scholars program:

1. Academic units (college, department, campus) may offer special courses or special sections of courses specifically designated as University Scholars courses and open only to students accepted into the program. Where additional resources are required to initiate these courses or sections, application may be made to a University Scholars Program fund for requisite fractional FTE position support. The size of such allocation is not expected to be adequate to meet all requests, and therefore awards from the fund will have to be made on the basis of competitive review of proposals.

2. The University Scholars Program fund should be regarded as "seed" money to encourage additional academic units to initiate and/or enrich programs for the superior student, as discussed in section V below. The fund will be administered by the Director of the University Scholars Program with the advice of the Program Council.

3. The University Scholars Program courses, including certain sections of regular courses, will carry special recognition through the use of the "(H)" symbol in conjunction with the letter grade on the student's transcript.
4. Participants in the University Scholars Program may exercise a certain amount of flexibility in meeting curricular and baccalaureate degree requirements.

III. Membership in the University Scholars Program

- A. Student membership in the University Scholars Program will be determined by the separate academic units, preferably by the faculty at the department/campus level because, at that level, student capabilities can be known on an individual basis. Membership limitations should be set for each academic unit so that the total number of students participating in the program is no greater than five (5) percent of the total undergraduate enrollment.
- B. Students who have been accepted into a formal honors program, as well as students who have been admitted as Penn State Scholars and National Merit Scholars will automatically be included in the Program. In addition, students may be nominated by faculty or by self-nomination, provided they go through a screening process established for this purpose within the academic unit.
- C. Students will automatically be dropped from the program if their cumulative grade point average falls below a 3.00. Students may withdraw from the program if they desire.
- IV. Extracurricular Structure of the University Scholars Program
 - A. There should be an information network to include regular communications to participants in the program.
 - B. There should be a coordination of

internal and external publicity concerning the program.

- C. There should be a sponsorship of colloquia or lecture series that would be designed for students involved in the University Scholars Program.
- D. There should be an encouragement of the use of honors courses, coffee hours, and other relevant activities.

V. Administration

- A. Director
 1. A faculty member on partial release time appointment will serve as Director.
 2. Duties
 - a. To be a spokesman and advocate for the University Scholars Program as well as for honors work in general throughout the University.
 - b. To be an administrator of the University Scholars Program Fund to which academic units may apply for support of activities specifically addressed to the needs of superior students.
 - c. To be responsible for the information network established as part of the Program, including a University Scholars Program brochure that will be made available to all incoming freshmen.
 - d. To be of assistance in the coordination between identification of superior students, their academic activities, and the giving of recognition.
- B. University Scholars Program Council
 1. An advisory committee would consist of one faculty member from each college and representatives from the Commonwealth Campuses.
 2. The duties of the Council would be as follows:
 - a. To provide advice to the Director of the University Scholars Program and provide university-wide coordination of the Program.
 - b. To establish criteria and act as screening committee for applications to the University Scholars Program Fund.

VI. Additional Cost
In addition to the monies already expended by the various colleges, campuses and departments for existing "honors" programs, the cost of running this new University Scholars Program would include the salary of a director, staff support for the program, the information network called for in the report, funds for colloquia and seminars, as well as establishing the University Scholars Program Fund.

The Task Force recommends that, at a minimum, approximately \$100,000 be provided annually for this University Scholars Program. The University Scholars Program Fund monies will be distributed to the individual academic units as outlined above.

Recommendations to the President

The University Task Force on Programs for Academically Superior Students recommends that Penn State establish a University Scholars Program. This program would include existing honors programs and other college and campus activities that foster academic excellence in undergraduate education. In addition, the University Scholars Program would provide opportunities for colleges and campuses to develop proposals for new programs and activities to promote academic excellence and to serve the needs of academically gifted students, including special courses and sections. Finally, the University Scholars Program would provide for the identification of students with high potential for academic achievement at all levels and for a special information network that would foster their awareness of and participation in special programs, activities and events being made available for them at Penn State.

To provide administratively for the University Scholars Program, the Task Force recommends that the President of the University:

1. Endorse the proposed program objectives and general structure.
2. Direct that a program be established, with appropriate academic administrative arrangements to include the appointment of a director, a University Scholars Program Council, and the establishment of

(Continued on page 6)

News in Brief

Testimonial to benefit Renaissance scholarships

The "Jack Light Day Honoring All Family Doctors" testimonial dinner will be held at 7 p.m. Wednesday, Nov. 8, at the Sheraton Penn State Inn. All proceeds from the sale of tickets will be donated to Penn State's Renaissance Scholarship Fund. The goal is to establish within the Fund a perpetual scholarship in Dr. Light's name, to be emblematic of all family doctors in State College.

A 1937 alumnus of Penn State, Dr. Light has been a practicing family physician in State College since 1947.

Ticket information for the dinner can be obtained from William Engel or David Colton, Office of Gifts and Endowments, 865-6588; James Starling, head and professor of agronomy, Room 117 Tyson, 865-6541; Donald Crider, associate professor of rural sociology, Room 205A Weaver, 865-6541; or Richard E. Crubb, vice president for administrative services, Room 203C Old Main, 865-1746.

Bloodmobile at HUB Oct. 31, Nov. 1

The Red Cross Bloodmobile will be at the HUB Ballroom from 10 a.m. to 3:30 p.m. on Tuesday, Oct. 31, and Wednesday, Nov. 1.

Faculty and staff who have not registered in advance are welcome to come in without an appointment.

NASULGC costs to students up 7.8 percent over last year

Resident undergraduates at major public universities for the 1978-79 academic year will face a median tab of \$2,221 — a \$160 or 7.8 percent increase over last year — according to a study by the National Association of State Universities and Land-Grant Colleges.

The increase is 1 percent higher than the 6.8 percent rise in the Consumer Price Index from July 1, 1977, to July 1, 1978, the association says.

For non-resident undergraduates, the median tab (for tuition, fees, and room and board charges) will be \$3,406 this year, up \$185 or 5.7 percent.

The largest cost for all undergraduates will be a 9.5 percent increase in the median cost of room and board, up \$133 to \$1,535 this year.

Tuition and fees for resident undergraduates for 1978-79 will advance 2.6 percent, up \$18 to \$708. The same median costs for non-resident undergraduates will rise 1.9 percent, up \$32 to \$1,733.

The association, which includes Penn State in its 140-institution membership, notes that the two primary reasons cited for increases this year were inflation and the necessity to maintain program quality.

Median tuition and fees for graduate schools also will rise in 1978-79, up 2.6 percent for resident students and 2.7 percent for non-residents.

Since 1969-70, median total undergraduate charges at major public universities have risen 71.2 percent for resident students, 78.3 percent for non-residents.

Early registration for winter term Nov. 13-17

The Records Office reminds faculty that early registration will be held from 8:30 a.m. to 4:30 p.m. on Nov. 13-17 for all students who preregistered and are willing to accept the courses assigned in preregistration. Early registrants must bring tuition and fees paid and must present ID card, fee receipt, and advance class assignment schedule (pink slip) in Room 112 Shields Bldg. in order to early register. Students who early register will not be permitted to return to the regular registration.



A guest at last year's party.

GSA annual children's Halloween party Oct. 29

The Graduate Student Association is presenting its Fifth Annual Children's Halloween Party for children of Penn State faculty, staff and students at 6:30 p.m. Sunday, Oct. 29, in Kern Graduate Bldg.

The party is open to children ages 2 through 12, and each child must wear a costume.

Among the evening's activities will be apple bobbing, pumpkin carving, games, singing, juggling, story telling, magic, cartoons, fortune telling, a haunted house and free refreshments. The Nittany Lion will be on hand, along with Pappy's Pizza Man, Captain Kern and lots of clowns and pirates.

Prizes donated by downtown merchants will be awarded at the costume parade for the most original, funniest, ugliest and prettiest costumes.

GSA is presenting the party in conjunction with the Graduate Commons, the Volunteer Service Center, numerous campus organizations, and the downtown merchants.

University to withhold occupational privilege tax

The University will withhold the Occupational Privilege Tax of \$10 per person for all applicable employees on payroll dates in November. For employees paid monthly, the date will be Nov. 30. For employees paid biweekly, the date is Nov. 17.

In the past, the amount of \$9.80 has been withheld, reflecting the amount paid by the University to the taxing authorities. Beginning this year, the full \$10 will be withheld, and the University, in accordance with the provisions of the law, will use the 20 cents per person to help defray costs of processing the payroll deductions.

Persons with questions concerning tax liability should contact the proper tax collector directly.

HUB to hold Halloween dinner

The HUB Terrace Room will hold a Halloween Candlelight Dinner Tuesday and Wednesday, Oct. 31-Nov. 1, from 4:45 to 7 p.m.

Featured entrees include steamship round of beef, chicken breasts margarine, deviled crab on shells, pork birds with apple raisin dressing, spring leg of lamb and braised veal with mushroom wine sauce. Live entertainment is promised.

Gerontology Center announces Developmental Grant Program

A third Developmental Grant Program to improve gerontological research and instructional capacity of University faculty members has been announced by the Gerontology Center, College of Human Development.

According to Dr. Joseph H. Britton, center chairman, grants of up to \$2,500 will be made to faculty members throughout the University to help them develop projects in aging.

Under the program, faculty and administrators of academic units are invited to propose activities which produce curricular designs, instructional materials, and research-related products for professional and career education, continuing education, and research in new areas of gerontology.

Funds for the program are being made available under a third-year operational grant to the Gerontology Center by the Administration on Aging of the U.S. Department of Health, Education and Welfare.

Grant proposals will be judged through peer review on criteria that include prospects that the work will contribute to the University's permanent capacity in gerontology; possibility of subsequent funding; soundness of the project; its contribution to a "new" area in gerontology at Penn State; and the possibility for rapid development and completion.

The Developmental Grant Program is being directed by Dr. Robert B. Mitchell, associate professor of biology and associate chairman of the Gerontology Center.

Proposals are due by Nov. 17, and awards will be announced by early December. Further details on the grant program may be obtained by contacting Dr. Mitchell or Dr. Britton.

During the last two years, the center has awarded 28 grants to 42 investigators from eight Colleges and two research units.

Basketball ticket orders being accepted

Nittany staff season ticket orders for Faculty Lion home basketball games will be accepted through Nov. 15, Athletic Director Edward M. Czeke reports. The cost is \$39, and season ticket buyers will be provided with free parking close to Recreation Bldg.

Single game reserved seat tickets for faculty and staff are \$3. The faculty-staff rate entitles each buyer to two tickets per game.

For further information, call the Penn State Athletic Ticket Office at 865-7567.

Diving contests in Natatorium Saturday

The 1978 Penn State Invitational Springboard Diving Championships, with teams from nine eastern universities competing, will be held tomorrow and Saturday, Oct. 27-28, in the Natatorium.

Preliminary contests are closed to the public, but the finals, which start at 3:30 p.m. Saturday, are open. Admission is \$1 per person. The finals will feature four contests: 1- and 3-meter dives for both men and women.

Utopian Studies Conference to be held Oct. 27-29

The Third Annual Conference on Utopian Studies, to be held at the University Oct. 27 through 29, will bring together scholars from many different disciplines for an exploration of utopian thought, both in literature and from history.

It is being organized by Dr. Arthur O. Lewis Jr., associate dean and professor of English in the College of the Liberal Arts. Dr. Lewis's "Directory of Utopian Scholars" provided impetus for the first such conference in 1976.

A special feature of the program will be two slide presentations at 9:15 p.m. on Friday, Oct. 27, in the Keller Bldg. Auditorium. Dr. Eugenio Battisti, Evan Pugh professor of art history, will

emphasize various European utopian attempts. Alan B. Shaw, of Monroe Community College, will present a slide show on communes in Shanghai, Hangchow and Peking.

More than 40 papers will be presented during the conference by scholars from Penn State and elsewhere, representing the disciplines of history, art, political science, architecture, and languages. Included among the topics will be "The Physical Basis for Sightings of Nonexistent Lands," "Aristotle's Critique of Utopian Thought," and "Technology as Utopia."

Open to the public with a registration fee of \$25, the conference is a continuing education service of the College of the Liberal Arts and the University Libraries. Most sessions will take place in the Keller Bldg.

Task Force report

(Continued from page 5)

an annual budget for the University Scholars Program. The University Scholars Program could be identified for administrative purposes as an intercollege Undergraduate Program.

Recommendations to the University Faculty Senate

The Senate should endorse a more comprehensive program for superior students at the University and should take the necessary steps to implement the proposals as set forth in this report. To that end, the Task Force asks that the Senate approve the following recommendations:

1. The Senate endorses and recommends to the President the creation of a University Scholars Program as outlined in this report. Furthermore, the Senate believes that the development of such a program is of high priority and should be funded at an appropriate level.
2. The Senate directs that it is the responsibility of each academic unit (college, department, campus) to provide appropriate activities for academically superior students to achieve up to their full potential. It is expected that program will vary from academic unit to academic unit, but that each unit will have some curricular arrangement for providing special opportunities for superior students. For example, the use of the common course numbers — 296, 297, 496, 497, with the use of the (H) symbol would be one way of achieving this end, the development of special courses or special sections with the use of the (H) symbol would be another.
3. The appropriate Senate Committees should be charged by the Senate Chairman with the task of preparing specific legislation, if necessary, to implement the proposals set forth in this report.
 - a. The Academic and Athletic Standards Committee should be charged with developing the policies for distinguishing University Scholars Program course work on student transcripts (the use of the (H) symbol in connection with grades in these courses).
 - b. The Curricular Affairs Committee should be charged with developing policies to encourage special courses and/or special sections of courses for University Scholars Program.
 - c. The BDR Subcommittee of Curricular Affairs should be charged with developing the policies which will encourage colleges and majors to specify more flexible arrangements for students in the University Scholars Program in meeting their degree requirements.

Task Force on Programs for Academically Superior Students

G. W. Franz, Chairman
R. Bernheim
H. Cohen
R. W. Conder
R. E. Dunham
E. S. Lindstrom
E. R. Melander
J. R. Mentzer
S. F. Paulsen
G. I. Ritchie
C. J. Smith

Affirmative Action for Disabled Veterans, Vietnam Era Veterans

Editor's note: The following notice was provided by the University's Affirmative Action Officer.

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified disabled veterans and Vietnam era veterans.

We need your help in assuring compliance with the affirmative action guidelines established by Section 503 of the Rehabilitation Act of 1973. If you have a physical or mental impairment, a record of having had such an impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Program.

It will assist us in proper placement and appropriate accommodations if you tell us about (1) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do because of your handicap, so that you may

be considered for any positions of that kind, and (2) possible accommodations which could be made which would enable you to perform the job properly and safely.

Submission of this information is voluntary and refusal to provide it will not subject you to discharge or disciplinary treatment. Information obtained concerning individuals that is kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on the work duties of disabled veterans and Vietnam era veterans and regarding necessary accommodations; (2) first aid and safety personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment; and (3) government officials investigating compliance with the Act shall be informed.

The Affirmative Action Office is responsible for coordination of compliance with the requirements of Section 503.

To be included in the Affirmative Action Program, call 863-0473 and additional data will be sent to you.

Weather/World to expand format and introduce new faculty faces

Seven Penn State faculty members will become familiar faces to thousands of Pennsylvanians when "The State of the Weather/The Shape of the World" expands from its present 15-minute format to a full half hour every weeknight at 6 p.m., beginning Nov. 6 on WPSX-TV, Channel 3.

The new "Weather/World" will include periodic reports by faculty with expertise in areas ranging from recreation to banking. The reports will focus on topics which, like the weather itself, affect the lives of viewers every day.

Dr. Patricia Farrell, associate professor and chairperson of the Department of Recreation and Parks, will have reports on how to make the most of leisure time, drawing on her experience as a community recreation supervisor and on more than ten years of work at Penn State. Dr. Peter R. Cavanagh, associate professor of biomechanics, will focus his reports on the growing area of sports science, exploring topics ranging from jogging to sports medicine.

Barbara M. Shannon's "Weather/World" beat is nutrition. Dr. Shannon, an associate professor of nutrition, will keep viewers informed on such subjects as fast foods and fat diets. Meanwhile, Dr. Douglas Chervenak, assistant professor of family and community medicine at Hershey, will offer periodic reports on preventive medicine.

Two other new members of the "Weather/World" team will provide perspectives on business and the economy.

Each month, Alice Warne, senior research associate in the College of Business Administration, will survey the State's business and economic picture. Her report will include reviews of monthly employment figures and other economic indicators. The national economic scene will be the province of Dr. David McKinley, professor emeritus of banking. Every month, he will report on major economic and business trends across the nation.

In addition to these periodic reports — many of which will be seen monthly — a new "Weather/World" will have the weekly report on food-buying trends from Harold E. Neigh, associate professor of consumer economics Extension. Among other things, Mr. Neigh will report on what prices never go down once they go up, forecast food prices for 1979, and describe the week's best food buys.

These reports will give faculty members a new opportunity to carry recent research information directly to the general public. The last time the audience was counted, "Weather/World" was seen by more than 100,000 viewers every weeknight, making it the most popular public TV program produced specifically for Pennsylvanians. Since then, WOEX-TV, Pittsburgh, has begun broadcasts of the series, adding significantly to the potential audience.

"The State of the Weather/The Shape of the World" is produced by WPSX-TV as a continuing education and community service of the University. It is seen on five member stations of the Pennsylvania Public Television Network.

New Black Studies Program head sought

The search has begun for a new director of the University's Black Studies Program.

Dr. Robert E. Dunham, vice president for undergraduate studies, has appointed the following committee to identify nominees for the post: Dr. E.R. Melander, assistant vice president for undergraduate studies; Dr. Thomas Hale, associate professor of French and comparative literature; Dr. Marlyne Taylor, assistant professor of sociology; Dr. Edward Ellis, associate dean for Continuing Education, Human Development; James Perine, instructor of community services and assistant to the dean for undergraduate studies, Human Development; and Anita Thomas, student member.

The search committee is seeking candidates qualified to lead the development of the Black Studies Program

and coordinate its activities in cooperation with College deans, Campus directors and an intercollege faculty program committee. The director must be highly qualified academically and would have a regular, standing faculty appointment within a department of the University. He or she would be expected to combine research and instructional activities in a discipline with the leadership and administrative roles of the directorship.

Persons from the University are invited to apply, or nominate others, for the directorship. Nominations and applications, with current resumes and academic references, should be sent by Nov. 30 to: The University Black Studies Director Search Committee, Box C, Room 117 Old Main.

WPSX Highlights

Carlo Maria Giulini, new music director of the Los Angeles Philharmonic Orchestra, makes his television debut Sunday, October 29, at 4:30 p.m., conducting a performance of Beethoven's Symphony No. 9 in D Minor, Op. 125 ("Choral"). Originating from the Los Angeles Music Center, the special — Giulini's Beethoven's Ninth — Live: A Gift From Los Angeles — also features Carol Neblett, Claudine Carlson, Robert Tear, Simon Estes, the Los Angeles Master Choral, and the University Singers of the California State University at Fullerton.

F.Y.I., a new monthly series about the problems of citizens and how they relate to the federal government, begins Sunday, October 29, at 8 p.m. with a report on the revolt of the American middle class as manifested in various tax initiatives appearing on ballots this fall. The one-hour report deals in depth with the "fallout" of California's Proposition 13.

Senate ratification of the Salt II treaty and nuclear weapons agreements are the subject of Congressional Outlook, Monday, October 30, at 7:30 p.m. Scheduled to appear in this discussion are Senator Jake Garn, Paul Warnke, chief U.S. Salt Talks delegate, and Paul Nitze, former U.S. Salt delegate.

Analysis of key issues and personalities in election races around the nation are the focus of Elections '78: Prelude to '80, which begins Monday, October 30, at 9 p.m. The series consists of seven programs, including five half-hours to be seen Monday through Friday (October 30 - November 2) Hour-long pre- and post-election specials are also scheduled. The five half-hour programs will examine key issues in the following regions: California, Texas, Illinois, the South, and New York.

Channel 3 celebrates Halloween with two special programs, including a two-and-a-half hour production of Bram Stoker's *Dracula*, featuring Louis Jourdan as the sinister Transylvanian vampire prince.



Louis Jourdan as *Dracula*.

The special, presented as part of Great Performances, begins Tuesday, October 31, at 9:30 p.m. Earlier in the evening, occult expert Robert Lima of Penn State talks about the real history of witchcraft in a conversation on Talkabout at 7:30 p.m.

Norman Bailey sings the title role of Giuseppe Verdi's four-act opera, *Macbeth*, to be seen Wednesday, November 1, at 9:30 p.m. The opera, to be sung in Italian, also features Patricia Giaurow as Lady Macbeth, Nicolai Giaurow as Banquo, and Neil Shioffo as Macduff. Robin Stapleton conducts the London Philharmonic Orchestra.

The United States spends \$11 billion a year on the juvenile justice system. The experiences of young criminals and the inadequacies of that system are the subject of *Bad Boys*, a two-hour special to be seen Thursday, November 2, at 9:30 p.m. Produced with low-light, black and white equipment, the documentary explores the problems of the youths, law officials, parents, and victims, visiting a New York area high school, a controversial detention facility, and an upstate New York maximum security prison.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 985-1287 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 2, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COUNSELING SPECIALIST, Shenango Valley Responsible to the DUS Advisor/Consultant and the professor in charge of the Steel Technology program for recruiting, admissions, counseling and placement of students. Master's degree in counseling or related area, ability to work effectively with students, faculty and representatives of industry. Some familiarity with metals related industry highly desirable. (Position funded through June 30, 1979.)

COUNSELOR — STUDENT AFFAIRS, New Kensington Responsible to the Dean of Student Affairs for conducting personal, educational, career and placement counseling programs. Responsible for prerequisite testing and assisting with summer counseling and orientation. Provides consultation to other members of the Student Affairs staff and campus community. A master's degree in counselor education or equivalent training, plus a minimum of two years of applicable professional experience in educational/vocational counseling or related experience.

DIRECTOR, INSTITUTE OF MOTOR FLEET SUPERVISORY TRAINING — CONTINUING EDUCATION, University Park Responsible to the Office of the Vice President for Continuing Education for administering the planning, organization, and implementation of continuing education series and programs in the functional areas of Motor Fleet Supervisor Training and Pupil Transportation, serve as Executive Director of the National Committee for Motor Fleet Supervisory training. Bachelor's degree (or equivalent) with a master's degree preferred and more than seven years of directly related experience in the motor fleet industry or its closely related business. Employment experience should include supervisory or management responsibilities. Educational or employment experiences should also include a knowledge of business or industrial training process.

SUPPORT CENTRE COUNTY UNITED WAY



As of Oct. 18, 657 Penn Staters at University Park had contributed a total of \$51,000 toward this year's United Way goal of \$95,000. Leading the way among the Colleges is Agriculture, with 108 employees giving \$9,083. Others in the top five are Engineering, with 53 employees giving \$5,030; Liberal Arts, with 45 employees donating \$3,795; Science, with 45 employees contributing \$3,453; and Health, Physical Education and Recreation, with 36 employees providing \$3,245.

Review UNICARE deductions

Faculty and staff members of the University should periodically review the deduction being taken for their group health insurance (UNICARE) to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances arises:

1. Your spouse or only dependent child begins working for the University as a regular employee.
2. Your spouse or only dependent child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.

To determine whether or not you have the right coverage or are paying the right amount, compare the amounts shown on your salary check stub with the amount

you should be paying as shown in the following table:

Persons	Monthly	Bi-weekly
Employee only	None	None
Employee, child, children	\$1.75	\$0.80
Employee, spouse	\$3.60	\$1.66
Employee, spouse, child or children	\$5.00	\$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost.)

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473. Faculty and staff members at locations away from University Park may receive assistance by contacting their Personnel Office or Business Manager.

The University has no way of knowing whether a change should be made, so it is the employee's responsibility to keep the records up-to-date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.



Workmen put the finishing touches on Schwab Auditorium's new red seats. The auditorium was officially rededicated Oct. 21 following its first major overhaul since it was built in 1903. Heating and ventilating systems were renovated to comply with State Department of Labor and Industry guidelines, and changes have been made to make the building more accessible to the handicapped. In addition, some interior refurbishing was undertaken.

Three computer workshops offered

Three computer programming workshops will be held during the break between fall and winter terms. Open to all faculty, staff and graduate students, the workshops offered are:

Introduction to SCRIPT (three days: Nov. 20-22, Room 201 Business Administration Bldg.)

Fundamental concepts and techniques for producing computerized documents and manuscripts using a powerful text formatting language (SCRIPT) will be studied. Although a previous knowledge of the Remote Job Entry system (RJE) would be helpful, it is not a prerequisite.

Introduction to COBOL (five days: Nov. 20, 21, 22, 27 and 28, Room 213 Buchholz)

This workshop will discuss basic COBOL concepts and programming techniques, emphasizing use in data processing and industry. Prerequisite: FORTRAN, PL/I or other high-level language.

Introduction to FORTRAN (five days:

Nov. 20, 21, 22, 27 and 28, Room 112 Buchholz)

Basic computer concepts and techniques of programming in the FORTRAN IV language will be studied. This workshop is oriented toward those who have no previous computer experience.

Lectures will be given throughout each day, beginning at 9 a.m. and resuming at 1:30 p.m. after a lunch break. Sample programs will be studied and practice problems will be assigned. In order to gain the maximum benefit, participants are urged to devote the entire three or five days to a workshop.

Registrations will be accepted by Darlene Klinefelter, Room 229 Computer Bldg. (863-0422). A charge of \$3 (cash, check or interdepartmental transfer) for course materials is payable in advance for each registrant. Computer charges will be borne by the Computation Center, and participants may use the computer for practice free of charge through winter term.

Council

(Continued from page 1)

all the recent publicity." The officers did not regard as acceptable a suggestion that sidearms be kept locked in a vehicle instead of on an officer's person.

"It won't be any safer for the community," Mr. Kline said.

The three men noted that University Park police service officers have completed 480 hours of basic training, and that the department averages 98.6 hours of in-service training a year, including weapons training.

Department procedures are tighter than State law requires, they said. If for any reason an officer draws a weapon from his holster, outside of the firing range, he must submit a written report.

If a weapon is discharged, the officer will be automatically suspended while the incident is investigated.

And University Safety procedures do not permit the use of deadly force in apprehended a fleeing felon, although it is allowed by State law.

Chemerda lectures

(Continued from page 1)

Society, and the American Academy of Arts and Sciences.

Dr. Axelrod is chief of the section of pharmacology, Laboratory of Clinical Science, National Institute of Mental Health, Alcohol, Drug Abuse, and Mental Health Administration, Department of Health, Education, and Welfare. In 1970 he shared the Nobel Prize for medicine with Ulf von Euler and Bernard Katz for contributions in the area of the sympathetic nervous system. He has received more than 25 scientific awards, including the Paul Hoch Award of the Psychopathological Association. He is a member of the National Academy of Sciences and a fellow of the American Academy of Arts and Sciences.

The Chemerda Lectures in Science are named in honor of John M. Chemerda, a member of Penn State's class of '35 and are supported by a grant from Merck & Co., Inc. The grant was made in connection with an award Dr. Chemerda received from Merck in recognition of his research contributions to the company.

An outstanding developmental chemist, Dr. Chemerda was honored in June 1978 with Penn State's Distinguished Alumnus Award.

Senate

(Continued from page 1)

The report concludes that "the best-managed institutions will not only survive but will most likely become stronger because of the competition. In that sense, institutions like Penn State have nothing to fear about the future — unless they rest on their laurels."

The third report will be presented on the floor by the External Affairs Committee and will describe its contacts with Pennsylvania's gubernatorial candidates.

The Senate will also hear two reports from special committees. The report of the Task Force on Programs for Academically Superior Students appears in this week's INTERCOM.

A statistical summary of the results of the first year of operation of the Basic Skills Program will be presented by the Special Committee on Basic Skills. Among its findings are:

— Students having deficiencies in mathematics and English are being admitted to all Colleges, although some Colleges have a higher frequency than others.

— Although approximately 66 percent of all freshmen are admitted to Commonwealth Campuses, approximately 75 percent of all students with basic skills deficiencies are admitted to Campuses. "The implications of this latter fact should be quite clear regarding the demands being placed on CWC faculty in helping these students develop adequate proficiency in the English and mathematics skills."

— Almost all students dropped because of basic skills deficiencies were in Admissions Categories 4 through 10. Forty-six percent of those dropped because of mathematics deficiencies and 83 percent of those dropped because of English deficiencies had less than a 2.00 GPA.

— Data obtained on more than 10,000 students admitted during summer and fall 1977 indicate that as many as 18 percent of the baccalaureate and 50 percent of the associate degree students may lack adequate proficiency in reading skills.

— A Student Master Research Tape File has been developed to permit more efficient tracking of students and collection of data needed for program evaluation.

In the coming year, the Committee said, it plans to continue to work closely with the Evaluation Committee in developing an appropriate model for characterizing basic skills deficiencies of incoming students and evaluating the effectiveness of the Basic Skills program.

The Committee also plans to investigate the need for a basic skills program in reading, to encourage innovative instructional approaches for teaching basic skills, and to look into the reward incentive structure, or lack thereof, for instructors of

University Park Appointments

College of Agriculture

Clair C. Engle as associate professor of animal science extension, effective Nov. 13. B.S., M.S., Montana State U.; Ph.D., U. of Georgia. Formerly area livestock specialist, U. of Missouri; instructor, Southeast Missouri State U.

James A. Frank as adjunct associate professor of plant pathology, B.S., Ohio U.; M.S., Ph.D., U. of Illinois. Presently plant pathologist, USDA. Albert J.E. Wilcox III as adjunct associate professor of agricultural economics and rural sociology, B.S., Florida State U.; Ph.D., M.R.C. U. of Florida. Presently senior research sociologist, Phila. Geriatric Center. Daniel R. Hagen as assistant professor of dairy and animal science, B.S., Ph.D., U. of Illinois. Daniel J. Royce as instructor in plant pathology, B.S., M.S., Eastern Illinois U.; Ph.D., U. of Illinois.

College of Arts and Architecture

M. Suzanne Roy as assistant professor of music, B.M., M.M., U. of Michigan; D.M.A. in voice, U. of Wisconsin, in progress. Formerly assistant professor, U. of Wisconsin. Sigrid Christensen as instructor of art, B.F.A., Rhode Island School of Design; M.A., M.F.A., Villa Schifanoia, Florence, Italy. Formerly assistant professor, California State College, Stanislaus, and Carnegie-Mellon U. Kenneth R. Graves as instructor of photography, B.F.A., M.F.A., San Francisco Art Institute.

Stephen P. Sherman as instructor of art, B.F.A., Pratt Institute; M.F.A., Queens College. William K. Schwartz as instructor of architecture, B. Arch., The Cooper Union.

College of Business Administration

Joseph L. Cavatini as assistant professor of business logistics, B.S., M.B.A., American University, Ph.D., Penn State. Formerly assistant professor, U. of Georgia.

Samuel G. Davis as assistant professor of management science, B.A., Bucknell U.; M.B.A. U. of Pittsburgh; Ph.D., Syracuse U. Daniel B. Kohlhepp as assistant professor of business administration, B.S., M.B.A., Penn State; Ph.D., Ohio State U. Formerly assistant professor, U. of Oklahoma.

Linda M. Smircich as assistant professor of organizational behavior, B.A., SUNY-Oswego, M.B.A., Ph.D., Syracuse U. Formerly lecturer, Syracuse U.

Ronald J. Teichman as assistant professor of accounting, B.S., Illinois Institute of Technology; M.B.A., Ph.D., Northwestern U. Formerly assistant professor, U. of Florida.

Darryl L. Craig as lecturer in accounting, B.S., U. of Wisconsin; M.B.A., U. of Kansas. Janis R. Reeder as lecturer in accounting, B.S., B.A., U. of Florida; M.A., Ph.D., U. of South Carolina.

basic skills. In addition, it will encourage contact of Basic Skills Program representatives with high schools and other external agencies to discuss cooperative efforts which might help resolve the problem of inadequately prepared students.

Penn State Intercom



The Altoona Campus has renamed its former All Faiths Chapel the "Edith Davis Eve Memorial Chapel", formally dedicating it on Sunday, Oct. 22. The new name honors the Altoona school teacher who donated \$125,000 towards the building's construction. The chapel first opened in 1971.

Ulerich urges recognition of PSU's role

William K. Ulerich, president of the Board of Trustees, has urged the State Board of Education to give special recognition to Penn State's unique role as a Land Grant institution, in the proposed master plan for Pennsylvania higher education.

Mr. Ulerich, of Clearfield, Pa., and Dr. Stanley O. Ikenberry, senior vice president for administration, represented Penn State at a hearing of the Board in Harrisburg last Friday.

In his testimony, Mr. Ulerich praised several aspects of the proposed master plan, underlining its importance as "a statement of direction, commitment and advocacy" for higher education in Pennsylvania. He also recommended that the following statement be included in a section of the plan listing the mission of the Commonwealth's universities:

"In the case of The Pennsylvania State University, to continue its role as the State's Land Grant Institution as set forth in the Morrill Act of 1862, with special statewide responsibilities for instruction, research and public service and to provide specialized programs in areas related to agricultural research and Cooperative Extension Services."

Mr. Ulerich said the unique role played (Continued on page 2)

News in Brief

Task Force to hold faculty/staff hearings

The Plan for the '80s Faculty and Staff Task Force will hold hearings on Tuesday, Nov. 14, and Thursday, Nov. 30, at University Park to encourage further discussion of the questions published in the Oct. 26 issue of INTERCOM.

The Nov. 14 hearing will be held from 1 to 3 p.m. in Room 301 Keller Bldg. The Nov. 30 hearing is scheduled from 10 a.m. to noon and from 1 to 3 p.m. in Room 101 Kern. Not all task force members will be present at each meeting.

Hearings for faculty and staff at the eastern Campuses will be held at the Berks Campus from 1:30 to 4 p.m. Nov. 15 in the Community Student Learning Center.

For the western Campuses, faculty/staff hearings will take place at the McKeesport Campus from 1:30 to 4 p.m. Nov. 30 in Room 117 Frable Bldg.

A number of faculty and staff representatives will be invited to speak at the hearings, but the task force is also eager to hear from other members of the University community who are willing to provide informed opinions on the questions which have been raised.

Senate hears report on request for candidates' stands

Prof. Ernest L. Bergman, chairman of the Senate Committee on External Affairs, delivered an oral report at the Oct. 31 Senate meeting describing his contacts with Pennsylvania's gubernatorial candidates.

Dr. Bergman had sent letters to Richard L. Thornburgh and Peter Flaherty saying: "As you surely realize, financial support for Higher Education in Pennsylvania as such and for The Pennsylvania State University specifically, is foremost in the minds of the faculty, staff and students of The Pennsylvania State University."

Dr. Bergman asked the candidates to send him a statement on their position on Higher Education for possible dissemination through the Senate.

A letter from Richard A. Stafford, research director for the Thornburgh/Scranton campaign, was

received in the Senate Office. It read in part:

"Thanks for requesting Dick Thornburgh's views on financial support for Higher Education. I am enclosing recent statements he has made on Higher



Education. In summary, Dick:

- advocated ridding Penn State of the burden of Senatorial scholarships (which, of course, recently passed);
- advocates increased support for PHEAA (Pennsylvania Higher Education Assistance Agency);
- advocates preferred status for Penn State;
- advocates high priority on education for increases in funding possible through cutting waste and improving management in other parts of the state government."

New releases detailing these positions were also included.

INTERCOM will publish documents received from the Flaherty/Casey campaign as soon as they are received.

Energy use down at University Park

Despite colder weather, heavier use of facilities and more building space to heat, energy consumption at University Park was 4.6 percent lower in the academic year 1977-78 than in 1972-73.

That's one finding from a five-year survey of energy consumption at University Park, which was presented to members of the University's Executive Energy Conservation Committee recently.

"I believe the drop in energy consumption is due to increased public awareness and also to improvements in the ability of building systems to operate more efficiently," said J. Carroll Dean, manager of energy conservation programs.

Since 1972-73, he reported, the square footage of building space has increased 6.2 percent. In addition, enrollment at University Park increased 11.3 percent over the period of the survey, and that resulted in heavier use of facilities.

The winter of 1977-78 was computed to be 19.2 percent more severe than the same period in 1972-73 based on the number of heating "degree days" for each year.

Energy consumption last year, measured in British Thermal Units (BTU), was lower than any year in the survey except 1975-76, when the winter was warmer than usual.

"Of course, the coal strike had an impact last winter," Mr. Dean said. "However, in 1976-77 we also held consumption to less than it had been three years earlier."

Although consumption has been reduced, the University's energy costs haven't declined. In fact, the survey shows they have jumped from approximately \$2.13 million at University Park in 1972-73 to \$5.34 million last year.

Calendar items due

The winter term calendar will appear in INTERCOM on Friday, Dec. 1. Please submit items for the calendar by Friday, Nov. 10, to Calendar Editor Lee Morrill, Room 301 Old Main, 865-2501.

EMS gets new institute

A Mining and Mineral Resources Research Institute (MMRRI) has been established at the University under a new federal program.

Because the nation is so dependent on mineral resources and the engineering know-how to utilize these resources effectively, the U.S. Congress passed the Surface Mining Control and Reclamation Act of 1977.

Title III of this Act provides for the establishment of MMRRI at selected universities. Congress subsequently appropriated \$5.4 million to set up MMRRI at universities in 20 states around the country.

The College of Earth and Mineral Sciences was designated by Governor Shapp as Pennsylvania's entry into the national competition. The U.S.

(Continued on page 2)

Carter's support of basic research hailed by Provost

Terming it "splendid news," Provost Edward D. Eddy opened a press conference last week by calling attention to President Carter's statement in his Oct. 24 telecast on the importance of basic research.

"The President's stress on his intention to expand federal support of basic research is firm recognition that the administration regards research as a key to the sustained economic health of the nation," Dr. Eddy said. "Such a commitment by the President in a nationally televised speech is a rather strong statement, and as a research university we greet his message with special rejoicing."

Dr. Eddy noted that the President also spoke of continued support for agricultural development, another area in which "Penn State is a leader in the Commonwealth, as well as in the nation."

Turning to the subject of enrollment, in response to a question, the Provost said it poses "a particularly strong challenge."

"Every college and university in the country is worried about enrollment," he

continued, adding that in Pennsylvania enrollments had dipped rather substantially at some of the state colleges this year.

As the number of high school students decreases throughout the 1980s, there will have to be a united effort both by institutions and as public policy to increase the percentage of the population seeking higher education, Dr. Eddy warned, and he mentioned two areas where improvements can be made — increasing the number of women and the number of members of minority groups pursuing higher education.

Dr. Eddy predicted a scramble for well qualified high school students on the part of both public and private colleges and universities. Among students who responded to the questionnaire which is included with the SAT examinations, only 7.7 percent scoring above 500 in the mathematics and English portions of the test indicated that they had the financial means to attend the college or university of their choice.

Dr. Eddy cited two factors which Penn State must take into account in enrolling students — its obligation to the Commonwealth to make higher education available to qualified students and to itself "to keep enrollments at the level we choose rather than what is chosen for us because tuition is vital to the financing of the University and because the level of State support clearly is tied in the minds of the legislature to the number of students enrolled."

Calling attention to the University's search "for the best possible person in the country to be Dean of Admissions," Dr. Eddy continued:

"Unless we are more aggressive in our recruitment of students, unless we do everything possible to call the attention of high school students to the great advantages of attending Penn State, we may lose out on the most highly qualified students."

And the Provost added: "I certainly would not recommend that we dip so far (Continued on page 4)

Penn Staters

Three faculty members associated with the Pennsylvania Transportation Institute were awarded the 1978 Arthur M. Wellington Prize from the American Society of Civil Engineers at its annual convention in Chicago on Oct. 18. Dr. Thomas D. Larson, professor of civil engineering and Institute director, Dr. Srikanth Rao, assistant professor of business logistics, and Dr. Theodore H. Poister, assistant professor at the Institute of Public Administration, won the award for their paper, "Future of Highways - Fiscal Restraints."

Dr. William L. Ferrara, professor of accounting and Price Waterhouse Faculty Fellow, has received his fourth certificate of merit for a manuscript submitted to the annual competition of the National Association of Accountants. His most recent submission is entitled "The Case for Symmetry in Lease Reporting."

Dr. Albert A. Anderson, assistant professor of art education, has been elected president of the Pennsylvania Art Education Association. Dr. Anderson will serve as president-elect of the organization through 1980 and as president through 1982.

Dr. Hugh W. Fraser has been appointed executive director of the Pennsylvania School Study Council and associate professor of educational administration. Formerly director of instruction for the West Irondequoit Central School District in New York, Dr. Fraser holds B.S., M.A. and D.Ed. degrees from the University of Rochester. PSCC is a voluntary association of 127 school districts with headquarters at Penn State. It studies educational problems and provides management information to its membership.

Dr. Theodore E. Kiffer, associate professor of English and director of the General Education Program, has been elected to the Executive Council of the Association for General and Liberal Studies, based at Michigan State University. His three-year term begins on Jan. 1, 1979. The association includes members from most disciplines, the uniting theme being that of providing quality general education for undergraduate students in U.S. colleges and universities.

Dr. Philip A. Klein, professor of economics, presented a talk Oct. 26 in Brussels under the sponsorship of the Association D'Instituts Europeens de Conjonction Economique. His topic was "The Current State of the U.S. Economy and Prospects for 1979."

Dr. Patricia Farrell, associate professor in charge of recreation and parks, and Dr. Herbert M. Lundegren, professor of physical education, are the co-authors of a new book, *The Process of Recreation Programming: Theory and Technique*, published by John Wiley & Sons Inc. of New York.

The book is designed for use in training recreation programmers at the pre-professional level and as a resource for those who are on the job.

The 313-page volume deals specifically with assessing participant needs, setting objectives, choosing leisure activities, conducting the program and evaluating its success.

Obituary

Frederick N. Esher, who retired in 1972 as associate professor of engineering at the Hazleton Campus, died Oct. 14. He was 71. He earned an M.E. in engineering from the Stevens Institute of Technology in 1927 and an M.A. in education from Columbia University in 1951. Before joining the faculty as an assistant professor in engineering at Hazleton in 1954, Mr. Esher had worked as a science and mathematics teacher for the Gow School in South Wales, N.Y.

Committee to assess PSU's interacting computing need

An ad hoc committee has been appointed to assess the University's needs for Interactive Computing. Members include M.C. Hallberg, chairman, T.E. Daubert, C.F. Fischer, A.K. Henry, R. Seibel, and M.J. Tretter.

The committee's specific charge is to determine the requirements of the academic programs of the University for interactive computer service in excess of that presently provided by the Computation Center, and to catalog, validate, and rank those requirements in order of priority.

The Computation Center has in the past emphasized efficient computing in the batch (and remote batch) mode with rapid turnaround time. This has enabled the center to serve a very large number of users in a wide range of instructional and research programs.

Nevertheless, an increasing proportion of computer applications in universities and other segments of society are presently using or converting to interactive mode. In general, interactive computing can increase user effectiveness. Interactive computing may involve, however, higher per-unit equipment costs and/or less flexibility of

mainframe usage (depending, of course, on the extent of dedication to interactive computing and the type of system employed).

At the present time, the Computation Center supports Remote Job Entry (RJE) and A Programming Language (APL), both of which may be considered forms of interactive computing. In the near future, the center will bring into production MENTEXT (a proprietary version of WYLBUR). MENTEXT will offer functions similar to those of RJE, but is not subject to some of the restrictions of RJE.

The committee's task is to determine whether or not these services are sufficient in view of the research, teaching, and other needs of the University and, if not, what additional services are needed. The committee plans, among other things, a survey of the faculty in the near future.

Chairman Hallberg would welcome any comments or suggestions the faculty may have at this time concerning Interactive Computing at Penn State or procedures the committee might employ. Dr. Hallberg can be reached in Room 101 B Weaver Bldg., 865-0467.

News in brief

(Continued from page 1)

Department of the Interior made the final choices, based on criteria established by an advisory committee of experts.

The original idea for such institutes came from Dr. Elbert F. Osborn of the Carnegie Institution of Washington, formerly professor of geochemistry and vice president for research at Penn State. Dr. Osborn worked for several years to convince the federal government of the importance of supporting mineral resource research, in a way similar to what has long been done for agriculture.

Penn State's new institute will be directed by Dr. Arnulf Muan, professor of mineral sciences and associate dean for research in Earth and Mineral Sciences. The MMRRRI will be attached to the EMS Experiment Station.

For at least the first two years, each MMRRRI will receive a base appropriation of \$110,000 per year. In addition, the first year each institute will receive \$160,000 in fellowship funds, to be distributed over four years. During the second year, the Interior Department will make available \$3.2 million in research funds; the 20 institutes will compete for these funds on a project by project basis.

Berks Campus instructor saves coed from drowning

A physical education instructor at Penn State's Berks Campus was credited with saving the life of a 19-year-old coed after her automobile skidded on Tulpehocken Road near the Campus and flipped into a creek Oct. 26.

Michael Moyer, soccer coach and head of the physical education department at the Berks Campus, swam underwater through a smashed window of the car to pull to safety Mrs. Diana Granden, who was unconscious. Later, he used cardiopulmonary resuscitation techniques until first aid workers arrived at the scene.

Mrs. Granden was taken to the intensive care unit of the Reading Hospital and Medical Center, where she was listed in fair condition. A psychology major at the Campus, she and her husband serve as houseparents at the Topton Lutheran Home near Reading.

"Merry Widow" film version comes to Eisenhower

The Merry Widow, the 1934 romantic opera starring Maurice Chevalier and Jeanette MacDonald, will be presented at 8

p.m. Tuesday, Nov. 7, in Eisenhower Auditorium. The film is an offering of the Artists Series Film Festival's Tuesday Series, devoted to opera and musicals as film. Tickets are available at the door.

Registration change made in grad program

Graduate students registering entirely for research and/or independent study will no longer be able to process their registrations through the Graduate Programs Office, Room 211 Kern Bldg. Students were informed of this fact during the processing of their registrations for fall term 1978.

Beginning winter term 1978, graduate students registering entirely for research and/or independent study should report for registration in the Intramural Building at the appropriate scheduled time.

Students may also take advantage of the early registration for winter term 1978. The early registration will be held from 8:30 a.m. to 4:30 p.m. Nov. 13 through 17 in Room 112 Shields Bldg. In order to register, a student must present evidence of fee payment, an ID card, and a No. 2 card signed by the advisor.

In addition, students are encouraged to preregister. Preregistration takes place prior to the term for which a student is registering, e.g., preregistration for spring term 1979 occurs during the beginning of winter term 1979.

Aboriginal poet to visit University park Nov. 6-7

Kath Walker, the first Aboriginal poet to achieve success in Australia, will visit Penn State Monday and Tuesday, Nov. 6 and 7, as a guest of the Institute for the Arts and Humanities Studies.

On Nov. 7, Ms. Walker will address the Comp Lit Luncheon at 1 p.m. in the Hotel State College. That evening she will present a film, *Shadow Sister*, which is based on her life, at the English Colloquium, Room 101 Kern Bldg.

The author of both prose and verse, Kath Walker has written an autobiography, *Stradbroke Dreamtime*, in which she tells what it was like to be a black girl in a deprived family. Her books of verse include *We Are Going*, *The Dawn Is at Hand* and *My People*. She has a deep concern not only for the original Australians but also for the environment, and her message reaches beyond national boundaries.

SUPPORT CENTRE COUNTY UNITED WAY



As of Oct. 25, 746 Penn Staters at University Park had donated a total of \$57,500 toward this year's United Way goal of \$95,000. First among PSU's campaign divisions were the offices reporting to Provost, with 161 employees contributing \$10,951. Close behind was the College of Agriculture, with 127 employees giving \$10,478. Other leaders included Engineering, with 58 employees providing \$5,654; Liberal Arts, with 50 employees donating \$4,040; and Health, Physical Education and Recreation, with 43 employees contributing \$3,904.

Ulerich

(Continued from page 1)

by each of Pennsylvania's colleges and universities, and public understanding of those roles, will become increasingly important in the years ahead.

"In this sense, the statement of mission for each of the major higher education segments is essential," he noted. "None of our institutions, no matter how large or complex, can be all things to all people."

Among a number of activities that make Penn State unique, Mr. Ulerich said, are the University's responsibilities in the areas of Cooperative Extension and in the Agricultural Experiment Station. He pointed out that services provided by Cooperative Extension Offices in each of the 67 counties of Pennsylvania are made possible by Penn State in partnership with the State and federal governments.

Noting that the current draft of the Master Plan recommends a strengthening of financial support for Pennsylvania higher education, Mr. Ulerich referred to a recent report of the Chronicle of Higher Education, which shows that Pennsylvania ranks 44th among the 50 states in support for higher education. The report also shows that the Commonwealth ranked 50th in the percent increase in State support to higher education during the last two years.

Mr. Ulerich praised the current draft of the Master Plan for its tone of advocacy in support of higher education.

"You can be assured of Penn State's continued support and commitment to the fundamental principles upon which the Master Plan has been developed," he told the Board.

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University Park Calendar

Nov. 2-12

Special Events

Thursday, Nov. 2

College of Engineering Career Day, 9 a.m.-5 p.m., HUB Ballroom.

Chemeda Lectures: Edward M. Purcell, Nobel Laureate, Harvard University, on "Physics of the Bacterial Environment," and Julius Axelrod, Nobel Laureate, NIH, on "Catecholamine Neurotransmitters," 7 p.m., Room 119 Osmond.

E&MS Undergraduate Seminar: Ronald Abler, geography, on "Government Regulation of Postal and Telephone Services—Some Problems," 7:30 p.m., Room 112 Walker.

College of Human Development Alumni Recognition Convocation, 8 p.m., Room 5209 Henderson. Dean Carole Leland on "These Are the Times..."

University Theatre, *Our Town*, 8 p.m., The Playhouse

Friday, Nov. 3

College of Human Development Alumni Recognition Award coffeehour, 8:30-9:30 a.m., Henderson Living Center; panel discussion by those who have worked in non-western cultures, 9:30 a.m., Maple Room, Henderson.

College of Engineering Career Day, 9 a.m.-5 p.m., HUB Ballroom.

Sports: J.V. football, vs. Milford Academy, 2 p.m., IM Field.

SFO film, *Pink Floyd*, a concert film, 7, 9 and 11 p.m., Room 102 Forum.

University Theatre, *Our Town*, 8 p.m., The Playhouse.

Penn State Brass Choral and Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Nov. 4

Sports: football, vs. Maryland, kickoff, 12:50 p.m., Beaver Stadium.

France-Cinema, Werner Herzog, *Heart of Glass*, 7 and 9 p.m., Room 112 Kern.

Penn State Blue Bands, "Bandorama," 8 p.m., Eisenhower Auditorium.

University Theatre, *Our Town*, 8 p.m., The Playhouse.

Sunday, Nov. 5

Sports: men's cross country, Middle Atlantic AAU Championships and Open Meet; bowling, vs. Shippensburg.

University Chapel Service, Dan Davis, religious studies, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, "Mammals, Skinning and Tanning," 2 p.m., Stone Valley.

David Hudson, tenor, 3:30 p.m., Music Bldg. Recital Hall.

Commonplace Theatre, *Warner's Animation*, Part II, 7 and 9 p.m., Room 112 Kern.

Monday, Nov. 6

Two Cultures Dialogue/Science, Technology and Health. Evan G. Pattishall, behavioral science, Hershey, and Richard Woodring, Group Benefits, Seyler Associates, State College, on "Technological Developments in Health Care: Desired Benefits vs. Real Cost," noon, Room 101 Kern.

History of Modern Science Public Lecture. John C. Greene, history, University of Connecticut, on "Science, Ideology and World View in the Development of Evolutionary Biology," 4 p.m., Room 101 Kern.

France-Cinema, *Heart of Glass*, 7 and 9 p.m., Room 112 Kern.

Mo Phi Epsilon Concert, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Nov. 7

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel St. George. Kath Walker, Australian poet, will read from her own works.

Artists Series Film, Ernst Lubitsch, 1934, *The Merry Widow*, 8 p.m., Eisenhower.

English Colloquium, 8 p.m., Room 101 Kern.

Kath Walker, IAHS visitor, and Australian aboriginal poet presents a film, *Shadow Sister*, which is based on her own life.

Wednesday, Nov. 8

Sigma Delta Epsilon luncheon meeting. Nava Setter, graduate student in solid state science, on "Modifications of Portland Cement due to Modern Engineering Problems," noon, Room 101-A Kern.

5 O'clock Theatre, Ed. written by Barbara Van Dine, directed by Louise Ammerman, 5:30 p.m., The Pavilion Theatre. Free.

Sports: women's volleyball, vs. Indiana, Pa., 6 p.m.

Commonplace Theatre, *The Loved One*, 7 and 9 p.m., Room 112 Kern.

University Readers, Science Fiction Reading Hour, 7:30 p.m., HUB Reading Room. Selections from Kurt Vonnegut, Ray Bradbury, C.S. Lewis and John Collier.

Philip Brown, Staempfli Gallery director, talks on his experiences as an art dealer, 8 p.m., Museum of Art.

Artists Series, TASHI, clarinet and string quartet, 8:30 p.m., Eisenhower.

Thursday, Nov. 9

Board of Trustees meeting. Keller Bldg.

5 O'clock Theatre, Ed. 5:30 p.m., The Pavilion Theatre. Free.

Penn State Dames meeting, 8 p.m., Room 101 Kern.

Friday, Nov. 10

Board of Trustees meeting. Keller Bldg.

Sports: J.V. football, vs. Indiana, Pa., 2 p.m., IM Field; soccer, vs. Akron, 7 p.m., Jeffrey Field.

5 O'clock Theatre, Ed. 5:30 p.m., The Pavilion Theatre. Free.

France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.

Kappa Alpha Theta, Nittany Knights Concert, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Nov. 11

Last date for submitting petition to Records Officer to graduate in absentia in November.

Sports: football, vs. North Carolina State, 1:30 p.m., Beaver Stadium.

France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.

Shaver's Creek Nature Center, fireside readings, 8 p.m., Stone Valley.

Sunday, Nov. 12

University Chapel Service, Dennis Hall.

Lutheran Parish, 11 a.m., Eisenhower Chapel.

Shaver's Creek Nature Center, "Weeds in Winter" walk, 2 p.m., Stone Valley.

France-Cinema, Truffaut, *Shoot the Piano Player*, 7:30 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Nov. 2

Computation Center, "FORMAC" (2 of 2), suggested background of P/LI programming, 7:30 p.m., Room 112 Osmond.

Friday, Nov. 3

Ceramic Science, Robert R. Reber, U.S. Department of Energy, on "Lattice Characteristic Temperatures, Thermal Expansion, and Phase Transitions," 11 a.m., Room 301 Steidle.

Analytical Chemistry, Paul Longeway on "Cancer Screening by GC-MS of Permethylened Polyamines," 11:10 a.m., Room 333 Whitmore.

Human Development, Beatrice Mensch, Mountjoy, Prince George's County Public Schools, and winner of the 1978 Alumni Recognition Award of the College of Human Development, on "The Explosion of International Students in the American School System," noon, Maple Room, Henderson.

Physical Chemistry, Denis Bog, Naval Research Lab, on "Formation and Chemiluminescent Decomposition of Dioxetanes in the Gas Phase," 4 p.m., Room 333 Whitmore.

Monday, Nov. 6

Biochemistry and Biophysics/Physical Chemistry, Betty Gaffney, Johns Hopkins University, on "Spin-Labeled Studies on Biological Systems," 3:55 p.m., Room 101 Albhouse.

Computation Center, "The State of Fortran," background of Fortran programming suggested, 7:30 p.m., Room 112 Osmond.

Tuesday, Nov. 7

Biochemistry and Biophysics/Physical Chemistry, Betty Gaffney, Johns Hopkins University, on "Spin-Labeled Studies on Biological Systems (2)," 11 a.m., Room 101 Albhouse.

Organic Chemistry, Joseph J. Villafranca, chemistry, on "Bio-organic, Bioinorganic, Biophysical and Bioanalytical Studies of Glutamic Synthetase," 12:45 p.m., Room 333 Whitmore.

Research Applications of Computers, Kevin O'Kane, University of Tennessee, on "Perspectives in Clinical Computing," 1 p.m., Room 325 Whitmore.

Air Pollution Control, Forrest J. Remick, nuclear engineering and director of the Institute for Science and Engineering, on "Environmental Pollution from Nuclear Power Plants," 2:20 p.m., Room 140 Fenske.

Genetics, Robert Eckhardt, anthropology, on "Genetic Field Research in Peru," 3:55 p.m., Room 111 Mueller.

Geosciences, Paul Enos, SUNY, Binghamton, on "Origin of a Giant—Carbonate Reservoirs of the Poza Rica Trend, Mexico," 4 p.m., Room 22 Deike.

Wednesday, Nov. 8

Plant Pathology, Charles Main, North Carolina State University, on "Use of Management

A daily calendar of events is available around the clock at 865-1100. For the latest information on College of Arts and Architecture events, telephone 865-1200.

Models in Maximizing Control and Minimizing Its Costs," 3:55 p.m., Room 112 Buckhout.

Inorganic Chemistry, Shelly Niznik on "Applications of Mossbauer Spectroscopy in Inorganic Chemistry," 8 p.m., Room 333 Whitmore.

Thursday, Nov. 9

Remote Sensing of Earth Resources, James R. Irons, on "Digital Image Texture Analysis," 10 a.m., Room 329 EE Enr.

Ceramic Science, Henry S. Haich, Brockway Glass Company Research Center, on "Physical Aspects of the Glassy State and the Structural Relaxation of Glass," 11 a.m., Room 301 Steidle.

Chemistry, Fred C. Anson, California Institute of Technology, on "Charge Transfer and from Reactants Attached to Electrode Surfaces," 12:45 p.m., Room 333 Whitmore.

Anthropology, John A. Hosteler, Temple University, on "The Ritual of Anthropological Research: Observation and Participant Observation in Anabaptist Communities," 3:30 p.m., Room 101 Kern.

Acoustics, William W. Lang, Institute of Noise Control Engineering (USA), Foughkeepsie, N.Y., on "Professionalism in Noise Control Engineering," 4 p.m., Room 73 Willard.

Developmental Psychology, Jill G. DeVilliers, Harvard University, on "Prototypes and Grammatical Categories," 4 p.m., Room 203 Willard.

Friday, Nov. 10

Physical Chemistry, Rick Gutschow, MIT, on "Optical-Double Resonance with Tunable Eye Lasers," 4 p.m., Room 333 Whitmore.

Anthropology Museum: open Monday, Tuesday and Wednesday, 9 a.m.-1 p.m. North African ceramics.

Chambers Gallery: BFA Undergraduates, prints and drawings.

HUB Gallery: Wendy Snetsinger, photographs, and HUB Craft Center exhibit.

Kern Commons Gallery: "The Art of Boxing," paintings, prints and sculpture, through Nov. 4; Jo Stripling, acrylics; Apeiron Workshop, photographs; Marsha Woods, stained glass; Sharon Teaman, jewelry, open Nov. 4.

Museum of Art: open daily except Monday, noon-5 p.m. European paintings, drawings and sculpture from the permanent collection. Oriental works of art from the permanent collection; "Art of the Heroic Era," art pieces from the 12th and 13th centuries.

Museum of Art HUB Gallery: open Monday-Friday, 8 a.m.-5 p.m. "America's Architectural Heritage," photographs of American structures from 12th century Indian buildings to post-World War II architecture.

Robeson Cultural Center: open Monday-Friday, 9 a.m.-10 p.m. Tom McKinney, paintings, "Encyclopedia of Portraits," through Nov. 10.



Left to right: Mr. Fisher, Drum Major Ron Louder, Dr. Deihl and Mr. Ramsey.

"Bandorama" will offer music for every taste on Saturday night

The University's Marching Blue Band, Concert Blue Band and Jazz Blue Band will present their second annual "Bandorama" at 8 p.m. Saturday, Nov. 4, in Eisenhower Auditorium.

The Marching Blue Band will play a number of the season's favorite hits, including the "Nittany Lion Special" and the "Penn State Medley," as well as music by Chuck Mangione, Barry Manilow and

Igor Stravinsky. Also on tap: music from *West Side Story*, some Latin jazz and the ever-popular marches.

The Marching Blue Band will feature its Touch of Blue doing several majorette routines, the Blue Band Silks twirling their flags on stage, and the Blue Sapphire, feature twirler Lori Bowers.

The Concert Blue Band will perform an overture by Offenbach, waltzes from *Die Fledermaus* and the "Suite of Old American Dances."

The Jazz Blue Band's selections will range from the familiar standards to modern works.

Dr. Ned C. Deihl, professor of music education, directs the marching and concert Blue Bands, assisted by Darhy S. Ramsey, an instructor of music education. Graduate assistant Larry Fisher conducts the 21-piece Jazz Blue Band, which performs at all home basketball games.

TASHI to play Nov. 8

TASHI, a chamber music ensemble which brings together five of the country's leading young instrumentists, will present a program for clarinet and string

quartet at 8:30 p.m. Wednesday, Nov. 8, in Eisenhower Auditorium. The group is sponsored by the Artists Series and is part of the Fine Arts Series.

Since its New York debut in 1973, TASHI (Tibetan for good fortune) has become one of today's most popular ensembles, touring throughout North and South America, Europe, and the Far East. In addition to the major quintets for clarinet and strings, their unusually varied programs include duos, string trios, and string quartets.

For their performance this season, three TASHI members—clarinetist Richard Stoltzman, violonist Ida Kavafian, and cellist Fred Sherry—will be joined by guest artists Theodore Arm, violin, and Ik-Hwan Bae, viola.

TASHI's program for this concert will include Concertino for String Quartet by Stravinsky (1920), Serenade in D Major for String Trio, Op. 8 by Beethoven, and Quintet in B Minor for Clarinet and Strings, Op. 115 by Brahms.

Tickets will be on sale at the Artists Series HUB Booth Monday, Nov. 6, through Wednesday, Nov. 8, from 9 a.m. to 4 p.m.

Table 1. Degree Students Admitted with Basic Skills Deficiencies for Admission Year 1977 (Summer, Fall) and Admission Year 1978 (Winter, Spring, Summer, Fall) All Locations

	1977		1978*	
	# Deficient in Math	English	Both	
	1194	2093	1066	768
	750	969		
# Beginning Freshman Admits	11,275	11,464		
% Deficient in Math	10%	18%		
English	9%	7%		
Both	7%	8%		

*Preliminary Figures

Table 2. Degree Students Admitted with Deficiencies by College (All Locations) for Admission Years 1977 and 1978, Baccalaureate vs. Associate

	Mathematics				English			
	1977		1978*		1977		1978*	
	B	A	B	A	B	A	B	A
AG	154	60	231	97	154	68	122	64
A&A	68		108		20		28	
BA	96	106	230	144	159	99	185	97
EMSC	14	15	21	29	22	16	26	24
ED	142		170		10		51	
ENGR	29	170	92	235	154	272	192	227
HPER	50	18	87	22	34	10	36	16
HD	178	32	246	42	113	22	88	25
LA	393	145	597	194	160	120	125	115
SC	40	18	109	30	74	33	63	26
DUS	206		366		220		222	
BD		10		12		7		5
Total	1370	574	2257	805	1169	647	1138	599

*Preliminary Figures

Table 3. Percent Deficient of the Number of Beginning Baccalaureate Freshman Admits by College (All Locations) for Admission Years 1977 and 1978

	Mathematics		English	
	1977	1978*	1977	1978*
AG	16%	27%	16%	14%
A&A	20%	33%	6%	9%
BA	9%	16%	15%	13%
EMSC	5%	7%	8%	8%
ED	31%	45%	13%	14%
ENGR	2%	5%	10%	10%
HPER	30%	41%	20%	17%
HD	26%	38%	16%	14%
LA	22%	33%	9%	7%
SC	8%	8%	5%	5%
DUS	23%	38%	25%	23%

*Preliminary Figures

Table 4. Degree Students Admitted with Deficiencies by Location for Admission Years 1977 and 1978, Baccalaureate vs. Associate

	Mathematics				English			
	1977		1978*		1977		1978*	
	B	A	B	A	B	A	B	A
CWC	855	532	1424	747	775	606	767	563
BD	102	42	153	58	87	41	90	36
UP	413		680		307		281	
Total	1370	574	2257	805	1169	647	1138	599

*Preliminary Figures

Table 5. Percent Deficient of the Number of Beginning Baccalaureate Freshman Admits by Location for Admission Years 1977 and 1978

	Mathematics		English	
	1977	1978*	1977	1978*
CWC	17%	28%	15%	15%
BD	20%	32%	17%	19%
UP	10%	15%	8%	6%

*Preliminary Figures

Table 6. Number of Math 0 and English 4 (3 credit) Sections Taught 1977-1978

	S77	F77	W78	SP78	Total
Math 0					
CWC	--	8	17	10	35
BD	--	--	2	1	3
UP	--	--	2	2	7
TOTAL	--	10	22	13	45
English 4 (3 cr.)	S77	F77	W78	SP78	Total
CWC	2	120	25	14	161
BD	--	7	4	1	12
UP	5	7	2	1	15
TOTAL	7	134	31	16	188

Table 7. Status Report — 1977 All Locations

	Mathematics		English	
	S77	F77	S77	F77
Admitted with Deficiency	157	1787	90	1726
Deficiency Removed — Math	131	1401		
Deficiency Removed — English			89	1541
Deficiency Remaining	26	386	1	185
Deficiency Remaining	26	386	1	185
Not Eligible for Drop	22	224		
(e.g. not registered 3 terms)				
Dropped — Poor Scholarship	2	71	1	32
Dropped — Basic Skills	2	91		12

Table 8. Status Report — 1977 Behrend

	Mathematics		English	
	S77	F77	S77	F77
Admitted with Deficiency	--	144	--	128
Deficiency Removed — Math	--	105	--	
Deficiency Removed — English			--	111
Deficiency Remaining	--	39	--	17
Deficiency Remaining	--	39	--	17
Not Eligible for Drop		17		17
(e.g. not registered 3 terms)				
Dropped — Poor Scholarship		7		4
Dropped — Basic Skills		15		2

Table 9. Status Report — 1977 Commonwealth Campuses

	Mathematics		English	
	S77	F77	S77	F77
Admitted with Deficiency	18	1369	13	1368
Deficiency Removed — Math	10	1053		
Deficiency Removed — English			12	1208
Deficiency Remaining	8	316	1	160
Deficiency Remaining	8	316	1	160
Not Eligible for Drop	6	191		125
(e.g. not registered 3 terms)				
Dropped — Poor Scholarship	1	56	1	26
Dropped — Basic Skills	1	69		9

Table 10. Status Report — 1977 University Park

	Mathematics		English	
	S77	F77	S77	F77
Admitted with Deficiency	139	274	77	230
Deficiency Removed — Math	121	243		
Deficiency Removed — English			77	222
Deficiency Remaining	18	31	--	8
Deficiency Remaining	18	31	--	8
Not Eligible for Drop	16	16		5
(e.g. not registered 3 terms)				
Dropped — Poor Scholarship	1	8		2
Dropped — Basic Skills	1	7		1

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Office, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 9, 1978. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COORDINATOR, INTERNAL MEDICINE RESIDENCY PROGRAM, Hershey Responsible to the Program Director for the day-to-day administration of the primary care internal medicine residency training program. A bachelor's degree in business administration or equivalency, plus one to two years of directly related experience.

TECHNICAL STAFF SPECIALIST — CONTINUING EDUCATION, University Park Responsible to the Head of Planning Studies or designated staff associate for interdepartmental liaison, data reduction and analysis, assisting in survey logistics and mechanics, and preparing reports and literature reviews. Bachelor's degree or equivalent in physical or social science, with two to three years' directly related experience. Knowledge of survey research techniques, data analysis, and report writing is essential. This position is wholly funded by grants and contracts from external agencies.

SENIOR RESEARCH AIDE, COLLEGE OF AGRICULTURE, University Park Supervise and/or conduct laboratory analysis of fiber (watus), fat, ash, dry matter, energy, protein, and in vitro digestion, etc. supervision and training of research aides, graduate students, and part-time employees. Assist in teaching computer formulation of ration and aid students in solving computer problems. Participate directly, coordinate, and/or supervise others in conduct of animal nutrition and feeding studies. Assist in teaching laboratory techniques to undergraduate and graduate student classes. Bachelor's degree or equivalent in animal science, biochemistry, chemistry, etc., plus computer programming 400 level course or equivalent and one to two years of directly related experience and some supervisory experience involving coordination of research efforts.

Herzog film at Kern

A film by the outstanding young German filmmaker Werner Herzog, *Heart of Glass*, is being offered by France-Cinema this week. Showings are at 7 and 9 p.m. Saturday, Nov. 4, and Monday, Nov. 6, in Room 112 Kern Bldg.

Provost

(Continued from page 1)

down in quality that we fill our classrooms with vacant states. We have a responsibility to the faculty members we have assembled at all of our Campuses to provide them with the best qualified students we can find. We should also not waste public money on students who simply can't be at Penn State in the first place."

Responding to a question on the decreasing number of students admitted under Educational Opportunity Programs, Dr. Eddy said that he believes we may have "a national tragedy in the making." He attributed the decline largely to the fact that some institutions are now admitting EOP students as fully qualified members of the student body and providing them with no backup of counseling and of remedial courses.

Among other points which Dr. Eddy touched on were:

— The University may "perspire a little" at budget time, but he does not regard this year as substantially different from others in that we have had challenges in the past. "We have to be more vigorous in presenting the needs of the institution and the needs of the Commonwealth for higher education," he said. "It will demand more of us in terms of fresh conversation about where the University is and what it needs. It may mean that we have to be less polite than we have been, more forceful in making our case."

— In his view the single most effective recruiter with high school students is the current Penn State student. "As we have learned in the past ten years, credibility dims with age," he commented.

— The portion of Penn State's budget allocated to administrative costs is one of the lowest in the nation — 5 percent as compared to a national average of 10.5 percent.

— About 30 percent of today's Ph.D.s are taking jobs in industry. Penn State will have to be certain that it is responsive in the graduate training it provides to the needs of industry and that students know what the industrial world is like and what it will demand.

— The Plan for the '80s will not restructure totally the University — higher education does not change that easily. But there could be changes in configuration within the University, in where students begin their work and how they progress through it.

Penn State Intercom

News in Brief

Freshman SAT scores rise; higher than national average

Although national mean Scholastic Aptitude Test (SAT) scores are still on the decline, entering freshmen at the University had higher SAT scores this year than last.

The University freshmen also had scores that were considerably higher than the national mean.

"Both at Penn State and on the national level, SAT scores have been on the decline for the past several years," said Dr. Robert E. Dunham, vice president for undergraduate studies. "But this year, although national scores continued to decline, scores for the Penn State freshmen were up."

A report prepared by Penn State's Division of Admissions, Records and Scheduling, including figures on national SAT scores from the College Board, sponsor of the SAT, shows that the national mean total score for verbal and math examinations was 897 in 1978, down from 899 in 1977.

At all Penn State campus locations, the mean total score for baccalaureate degree students was 992 this year, nearly 100 points higher than the national mean. In 1977, it was 980. And at Penn State's University Park Campus, the mean total was 1063 in 1978 and 1038 in 1977.

On the math exam, University Park freshmen exceeded the national mean score by 93 points in 1978, with a mean score of 561. On the verbal exam, the national mean was 429 in 1978 and the mean for University Park students was 502.

At all Penn State locations, the mean verbal score was 467 in 1978 and the mean math score was 525. In 1977, the mean verbal score for all Penn State students was 463 and the mean math score was 517. Nationally, mean verbal test scores were 429 and mean math scores were 470 in 1977.

Education Ph.D. program ranked among top ten

Penn State's program leading to a doctorate in education of the exceptional child was recently ranked among the top ten Ph.D. programs in its field in a national survey.

The ratings were conducted by 40 college and university special education doctoral chairpersons and a ten-member expert panel in the area of special education doctoral training. Thirty-six institutions were included in the survey.

Penn State's overall ranking for reputation in the field was seventh. The panel judged the faculty to be rated eighth and the students were rated in the top 5.5 percent of the 36 schools surveyed. The University's academic program was ranked tenth.

"We are extremely pleased that the abilities and dedication of our faculty and students have been recognized," said Dr. G. Phillip Cartwright, professor in charge of the Ph.D. program in Education of the Exceptional Child.

UDIS offers seminar on large group instruction

The University Division of Instructional Services (UDIS) is again sponsoring a three-hour orientation seminar on large group instruction to be held at 1:30 p.m. Wednesday, Nov. 29, in Room 128 Mitchell Building.

(Continued on page 4)

Statement

Safety Division should be equipped to respond to the full range of possibilities in dealing with criminal incidents. The University's legal counsel has concluded that it is "patently unreasonable" to expect a police officer to respond to a threat to human life without necessary protection. He advises that "the potential for liability exists" no matter what decision we make but "the risks of liability are greater if police officers do not have firearms."

Accordingly, after consideration of a number of alternatives, I conclude, albeit reluctantly, that authorization shall be given for the routine arming of a small number of officers operating under strictly defined limits for the expressed purpose of defending life. This procedure thus would restrict any use of guns to the rare instances when they are essential for the protection of life and only after other means have been attempted and failed.

I am directing Vice President Ralph Zilly to prepare immediately the implementation of this policy under the following guidelines:

Policy on Safety Division Arms University Park Campus

The use of firearms by a member of this Department is justified only in defense of the life of a citizen or the life of the officer, and only after other means have been attempted and failed. Firearms are the ultimate law enforcement weapons and the use of a firearm is justified only after the officer has exhausted every other means of protecting human life.

Departmental firearms may be carried only by Police Service Officers after they have qualified on approved department firearms courses and have been specifically assigned to carry firearms by the Director. No departmental employee is permitted to carry a personal firearm on or off duty while on the campus.

To avoid any misunderstanding on the part of

any officer, the following specific policy is set forth:

1. No officer may display a firearm unnecessarily or remove his/her sidearm from the holster in a public place except for inspection or in defense of life and only after other means have been attempted and failed.
2. Whenever an officer removes his/her firearm from its holster, on duty or off, in the presence of a citizen, the details of the incident will be made in writing to the Director immediately and reported by the Director to his immediate supervisor.
3. All officers who discharge a departmental firearm, on or off duty, not connected with a training program on a qualified range, must explain the discharge and the details surrounding each shot fired in writing to the Director. Such officer will be relieved immediately of duty until an investigation of the incident is complete, at which time charges against the officer will be made or a no-fault finding reached.
4. Police Service Officers will not fire warning shots, nor shots at any fleeing violator, whether or not the offense was a forcible felony or the person is armed.
5. Only department-issued ammunition may be in a department weapon or carried by an officer.
6. The only weapon to be carried is the Department issued. 38 caliber Smith and Wesson model 36 in the regulation holster on the strongside. (No "cross-draw" holsters are permitted.)
7. Violations of firearms policy may be reason for dismissal from the Department. All sworn officers must sign the statement, "Policy on the Use of Force," which will be placed in their personnel files.

The opinions on this issue have ranged widely. The new policy should not change in any way the excellent rapport which now characterizes the relationships between the Safety Division and all segments of the community. We must all strive to maintain that essential harmony.

Edward D. Eddy
Provost

Senate discusses superior students and police issues

Task Force proposes University Scholars Program

How best to accommodate the academically superior student at Penn State was discussed by Senators in response to a report presented at the Oct. 31 meeting of the Senate by the Task Force on Programs for Academically Superior Students.

Voting on the proposal was put off to the December meeting to allow the Planning and Development Committee time for additional costing studies.

Task Force Chairman George Franz, assistant professor of history at Delaware County, said that the basic assumption behind the report is that Penn State has an obligation to offer to all students the opportunity to work to their highest potential.

"It is the opinion of the Task Force that we have neglected programs for academically superior students and that presently they receive far less attention than the academically disadvantaged," Dr. Franz said. "This is not to say that we do not have programs, but they are scattered and lack coherence, and many qualified undergraduates do not know about the opportunities which are available."

The Task Force has proposed the establishment of a University Scholars

Program (see text of proposal, INTERCOM, Oct. 26).

Dr. Franz noted that at present there is virtually no information on honors programs in the University catalog and no mention of them in the University's recruiting literature. Establishing a Scholars Program, he said, might help the University to recruit more National Merit Scholarship winners and also serve to attract additional Penn State Scholars.

He pointed out that a University Scholars Program would not interfere with existing honors programs, but that traditionally such programs at Penn State have been aimed at academically superior students who are going on to graduate school.

"These programs should be continued," he said, "but we are also proposing that the University look at honors work in a much broader context, that accelerated work be provided for major and non-major students in almost all areas of undergraduate study."

The Task Force's proposal contemplates an allocation of \$100,000 for the program — to encourage the enrichment of existing programs, to pay for a director and staff support, and to provide funds for an information network and for special colloquia and seminars. Dr. Franz also expressed the hope that it might be possible to obtain outside funding such as the recent

(Continued on page 3)

Opinion divided on giving police sidearms

Members of the Senate were just about evenly divided in the opinions they expressed Oct. 31 during a formal discussion of whether or not to arm campus security forces.

Of those opposed to the plan, a number suggested such options as allowing sidearms to be issued in times of stress or that police avoid themselves of less deadly weapons than guns.

The issue of professionalism was raised by several senators who spoke in favor of arming police.

"The evidence we have is that the kind of police we are talking about here are the best trained police you can get," Dr. Arthur O. Lewis Jr., associate dean, Liberal Arts, said.

"If you ask me why I think I should teach my classes in a certain way, I'm going to get after you on it. I think of myself as a professional. The people who work for this University should be treated as professionals, and I believe Mr. Stormer (David Stormer, director of University Safety) has provided us with his best judgment. We ought to be accepting that judgment in the spirit in which it is given."

"The issue is professionalism and

(Continued on page 3)

Penn Staters

Philip Klass, professor of English, was the guest of honor at the Rocky Mountain Science Fiction Convention held in Denver Oct. 27-29. Prof. Klass, who was honored for his writing of social satires, read from his work and commented on the state of satire in contemporary literature. He also lectured on creative writing at the University of Colorado at Boulder and delivered a talk there on the 40th anniversary of the Orson Wells' "panic broadcast," discussing the historical, literary, sociological and moral connotations of the broadcast and of the book which inspired it, H.G. Wells' *War of the Worlds*. In addition, he presented an invited address at Denver University on "The Wandering Jew and His Wandering Jewish Humor."

Dr. E. Alan Cameron, associate professor of entomology, presented two papers at the recent meetings of the International Union of Forest Research Organizations, held in Zurich and Zoog, Switzerland. The first paper dealt with dispersal of young larvae and its impact on the population rise and fall of the gypsy moth in the United States. The second paper described dispersal, the sex attractant, and its role in gypsy moth population manipulation.

Dr. Ronald R. Keiper, associate professor of zoology at Mont Alto, gave a paper at the First International Conference of Ethology Applied to Zootecnia in Madrid, Spain, in October. He discussed "Environmental and Physiological Determinants of Stereotyped Behavior in Birds."

William G. Bohm, general manager of the Nittany Lion Inn, was elected as a director of the Pennsylvania Hotel & Motor Inn Association at the organization's annual meeting last month in Pittsburgh.

David L. Young, professor and head of landscape architecture, has been named chairman of the 16-member task force on

future directions for the Landscape Architecture Foundation.

Dr. Karl G. Stoeckel, associate dean for academic affairs, College of Health, Physical Education and Recreation, was honored, along with medical physiologist John Faulkner of the University of Michigan, by the American College of Sports Medicine. The two men were cited "for their vision, leadership and coordination in the development of a certification program. Their dedicated and persistent efforts have made it possible for the American College of Sports Medicine to publish guidelines for graded exercise testing and to establish national standards for the certification of individuals aspiring to be program directors, exercise leaders, or exercise technicians..."

Dr. Stoeckel and Faulkner were instrumental in writing a text, *Guidelines for Graded Exercise Testing and Exercise Prescription*, and in developing standards to include examinations for personnel working with at-risk populations. The American College of Sports Medicine has some 6,000 members, half of whom are physicians and the remaining, physiologists, exercise physiologists and physical educators.

Lynn Martin Haskin, assistant professor of journalism at Delaware County, was elected vice president for education of Women in Communications, Inc. at the group's annual conference last week in Detroit. Prof. Haskin, immediate past president of the Philadelphia chapter of WICI, will serve a two-year term and is responsible for all educational activities of the organization, including the group's certificate program in communications management. More than 9,000 women and men are professional and student members of WICI nationwide.

Dr. H.L. Barnes, professor of geochemistry and director of the Ore Deposits Research Section in the College of Earth and Mineral Sciences, recently served as invited lecturer in the Foster Colloquia, an endowed lecture series held annually at the State University of New York at Buffalo. His topic was "Mississippi-Valley-Type Ore Deposits — A Genetic Model." He will also lecture in the

Department of Geological Sciences at Cornell University in early December on the topic, "Implications of Some Geothermal Systems for Ore-forming Processes."

Dr. Allan Rodgers, professor of geography, recently was invited to Warsaw, Poland, as the guest of the Institute of Geography of the Polish Academy of Sciences. He lectured at the Institute and at the Universities of Warsaw and Lodz on "Problems of Regional Development in the Underdeveloped Segments of the Developed Nations."

Dr. George T. Harrell was named the first honorary alumnus of the College of Medicine at an Oct. 28 luncheon during the College of Medicine Alumni Association's first annual meeting and reunion. Dr. Harrell, vice president for health sciences emeritus of Penn State, is the founding dean of the College of Medicine and founding provost of The Milton S. Hershey Medical Center.

Dr. Harrell was cited by association president, Dr. John M. Field, '73, for his more than 40 years of "outstanding contributions to medical education, research and patient care at this College of Medicine and Medical Center and throughout the world" as a physician, teacher, scientist, planner, builder, architect and friend.

Dr. Irwin Feller, professor of economics and director, Institute for Policy Research and Evaluation, has been invited by the Office of Science and Technology Policy, Executive Office of the White House, to prepare a paper on research findings and issues in the Design of an Intergovernmental Science System.

Dr. Ke Chung Kim, associate professor of entomology, co-chaired two workshops, "Morphology and Taxonomy of Parasitic Arthropoda" and "Biology of Parasitic Arthropoda," and presented two papers, "Taxonomic Inferences on Phylogeny of Anoplura" and "Population Ecology of Nasal Mites on Northern Fur Seals," at the 14th International Congress of Parasitology, Warsaw, Poland, last August. He also delivered an invited talk on "Ecology and Population Biology of Ectoparasites on Northern Fur Seals" at

the University of Gdansk, Gdynia, Poland.

Dr. Michael Coleman, associate professor and chairman of the Polymer Science Section in the Department of Materials Science and Engineering, recently served as an invited plenary lecturer at the Fifth European Symposium on Polymer Spectroscopy at Cologne, West Germany. Dr. Coleman discussed "Computer-supported Vibrational Spectroscopy."

Dr. Luis F. Gonzalez-Cruz, associate professor of Spanish at New Kensington, has been appointed as Reviewer for Grant Proposals submitted to the National Endowment for the Humanities Division of Public Programs (Washington, D.C.). His short story "Una guerra muy fructifera" has been included in an anthology of *Twenty Cuban Short Story Writers (20 Cuentistas Cubanos)*, edited by L. Fernandez Marcani and published by Ediciones Universales, Colección Antologías, Miami.

Dr. Alfred L. Bortree, professor and head of Veterinary Science, has received the Pennsylvania Veterinary Medical Association's Distinguished Veterinarian Award for distinguished service to the profession over a period of years. The award was announced at the association's 96th annual meeting held at Hershey last month.

Raymon Masters, assistant professor of architecture, was one of 20 international artists whose work was selected for exhibition in the 16th Annual Computer Art Exposition in Berkeley, Calif. The exhibition, which was held in August, was juried and assembled under the supervision of Grace Hertlein of California State University. Mr. Master's research on anamorphic perspective projection systems produced his topic for the exhibition — "Anamorphic Images."

Dr. Wilbur Zelinsky, professor of geography, served as editor for the September-October issue of the *American Behavioral Scientist*. This special issue was part of the publication's 20th anniversary observance, and was devoted to "Human Geography: Coming of Age."

At 86, Dr. Cohen still works daily tutoring students

Universities blame the decline in mathematical skills on the high schools. The high schools blame it on the parents. The parents blame it on the New Math, which they suspect was hatched at the universities.

Dr. Teresa Cohen, professor emerita of mathematics, takes a different view — the long view. She believes students today aren't that different from their counterparts of 50 years ago. "They don't know their algebra now," they didn't know it then either."

Dr. Cohen doesn't think there is any special "decline." She thinks the phenomenon is more a matter of expecting students to start out at a higher level. She says, "We used to start the required subjects with trigonometry and a review of algebra. Now, they start right in with calculus."

Dr. Cohen has been teaching mathematics at Penn State for 58 years or, in mortal terms, three generations. She officially "retired" in 1961 and for the last 17 years has served as an unpaid volunteer tutor.

She will be honored for her extraordinary service to the University at a reception on Nov. 17 hosted by Provost and Mrs. Edward D. Eddy.

Except for two-and-a-half terms and some scattered days when she substituted in regular classes, Dr. Cohen, who is 86, has worked only with students who have problems with mathematics. She keeps regular office hours from 9:30 a.m. to 4:30 p.m. in 221 McAllister Building. Students come at an average rate of 12 to 15 a day — except before mid-terms when the number shoots up and she occasionally goes without lunch.

They find her by word-of-mouth. Holly Schroyer, a first term premedical major,

says, "A friend told me about her. If I ever have a problem I can't do I come to see her and she sits down and does it with me. You can stop her at any step. She's very personal and she really knows the material."

Mark Dunmire, third term business



major, agrees and adds in amazement, "She can just look at the book and know exactly what to do."

"It's harder work than teaching," Dr. Cohen allows, "except for the fact that I don't have papers to grade."

"When you're teaching, you know the subject you're teaching and the students who come in are likely to be from that subject and you're prepared. But here they come in with all sorts of questions. You never know what they're coming in for next."

Dr. Cohen insists that she loves every minute of it. She says, "I'm doing something I like. I had a teacher in college

who was an old tartar. We were all scared of her. She taught physiology and hygiene. One of the things she used to say was, 'You don't deserve credit for doing the things you like, you deserve credit for doing the things you don't like and do anyway.' I'm doing what I like and I'd go crazy if I didn't have something to do. I don't think I deserve any special credit for it."

Dr. Cohen joined the Penn State faculty as an instructor in September 1920, a few weeks after the 19th amendment to the U.S. constitution went into effect and gave members of her sex the right to vote. She cheerfully admits that she obtained her position through the power of the "old boy network."

"There was only one member of my family who had gone to college before me and that was my father's youngest brother," she recalls. "He went into mathematics and became a professor at Johns Hopkins. Prof. (Joseph M.) Willard, who was head of the Penn State mathematics department, went down to Hopkins to do graduate work and met my uncle there. Afterward, he used to see him occasionally at meetings and when I got my degrees (Goucher B.A. '12, Johns Hopkins M.A. '15, Ph.D. '18) my uncle happened to tell Prof. Willard that he had a niece who was available for a job. Well, I don't think he thought too much of women but when school opened in 1920, they found that they needed another instructor at the last minute. Prof. Willard remembered that Uncle Abe had spoken of me, and I got a telegram asking if I could come. I got the telegram on Wednesday. I was here on Friday and started teaching on Monday."

Dr. Cohen was the first woman on the mathematics faculty and the only one for

three-and-a-half years. She says, "I used to stay out of the way and hope that if I wasn't a nuisance they'd get some more women."

"Staying out of the way wasn't all Dr. Cohen was doing." When I came here, it was as green as they come. I had to learn my teaching by trying it on the dog. I never had an hour of education courses. And so, I just had to learn by experience."

Dr. Cohen evolved two principles to guide her teaching. They are: "When you introduce something new, try to connect it with something that they've already had. And if you're not sure they remember something, assume they don't."

She also has a motto: "Blessed are they who expect nothing for they shall not be disappointed."

A native of Baltimore, Md., Dr. Cohen attended Friends School there and credits one of its teachers with sparking her interest in mathematics. "He made things so clear and made the work so interesting."

She has kept a home in Baltimore throughout her Penn State career and still goes there each summer. "Pennsylvania is like a family you're married into but Maryland is kinfolks," she explains.

She has studied the violin since the age of 10 and up until last summer took lessons during her vacations.

Her expanding family of grand and great grand nieces and nephews are a source of pride to her, and she points to one, in particular, who has followed in her footsteps, David R. Schlow, instructor in economics at Penn State's Shenango Valley Campus. "His mother, Marthame, is my niece, my brother's daughter. She's an instructor in speech communication at the Altoona Campus," Dr. Cohen explains.

Visits are great fun with David, she adds. "We talk shop."

Calendar

Nov. 10-19

Special Events

Friday, Nov. 10
Board of Trustees meeting, Keller Bldg.
Sports: J.V. football vs. Indiana, Pa., 2 p.m., IM Field; soccer vs. Akron, 7 p.m., Jeffrey Field.
5 o'Clock Theatre, Ed. 5:30 p.m., Pavilion
Theater
France-Cinema, Wertmuller, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.
Kappa Alpha Theta, Nitanny Knights, benefit concert for speech and hearing defects, 8 p.m., Music Bldg. Recital Hall.

Saturday, Nov. 11
Last date for submitting petition to Records Officer to graduate in absentia in November.
Sports: football vs. North Carolina State, 1:30 p.m., Beaver Stadium.
France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.
Shaver's Creek Nature Center, fireside readings, 8 p.m., Stone Valley.

Sunday, Nov. 12
University Chapel Service, Dennis Hall, Lutheran Parish, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, "Weeds in Winter," 2 p.m., Stone Valley.

Monday, Nov. 13
Last day for signing fall term Emergency Loans, Room 106 Shields.
Early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields, through Nov. 17. For all who pre-registered and will accept courses assigned in pre-registration.
France-Cinema, Truffaut, *Shoot the Piano Player*, 7 and 9 p.m., Room 112 Shields.
Fall term classes end, 9:55 p.m.

Tuesday, Nov. 14
Final examinations.
Plan for the '80s Task Force hearings for faculty and staff at University Park to discuss questions published in this issue of INTERCOM, 1-3 p.m., Room 301 Keller.

Wednesday, Nov. 15
Final examinations.
Plan for the '80s Task Force hearings for faculty and staff at the eastern Campuses to discuss questions published in this issue of INTERCOM, 1:30-4 p.m., Community Student Learning Center, Berks Campus.

Thursday, Nov. 16
Sports: Polish National Basketball Team, exhibit-

tion game, 8:10 p.m., Rec. Bldg.

Friday, Nov. 17
Final examinations.
Faculty Women's Club Luncheon Lecture, noon.
Nitanny Lion Lion Representative Helen D. Wise on "Women in the Political World."

Saturday, Nov. 18
Final examinations (until noon).

Sunday, Nov. 19
Shaver's Creek Nature Center, "Family Film Festival," 2 p.m., Stone Valley.
Residence halls close, 3 p.m.

Seminars

Tuesday, Nov. 14
Applied Research Lab, Murray S. Martin, associate dean of University Libraries, on "Coming Automation in the University Libraries," 10:45 a.m., Walker Conference Room, Applied Science.
Acoustics, John L. Davy, Commonwealth Scientific Industrial Research Organization, Melbourne, Australia, on "The Statistics of Decaying Sound Fields," 4 p.m., Room 73 Willard.

Exhibits

Anthropology Museum: open Monday, Tuesday and Wednesday, 9 a.m.-1 p.m. Pre-Columbian materials.
Chambers Gallery: BFA Undergraduates, prints and drawings, through Nov. 13.
HUB Gallery: Wendy Snelinger, photographs, HUB Craft Center exhibit.
Kern Commons Gallery: Jo Stripling, acrylics, Sharon Teaman, jewelry; Masha Woods, stained glass, through Nov. 18 Linda Connor, photographs, through Nov. 25.

Museum of Art: open daily except Monday, noon-5 p.m. European paintings, drawings and sculpture from the permanent collection, through Nov. 19. Oriental works of art from the permanent collection, through Nov. 12. "Act of the Heroic Era," art pieces from the 12th and 13th centuries, through Nov. 12.

Museum of Art HUB Gallery: open Monday-Friday, 8 a.m.-5 p.m. "America's Architectural Heritage," photographs of American structures from 12th century Indian buildings to post-World War II architecture, through Nov. 19.

unanimous consent to suspension of the Senate's rules, necessary for immediate consideration of the resolution, was not given.

The Provost and University Council, which had been asked to prepare a recommendation on the question for the Provost, then agreed to wait until after the Senate discussion before taking any final action.

Commenting on Dr. Klein's letter, Provost Edward D. Eddy told the Senate: "I don't want anyone to feel that the Provost somehow has attempted to duck the issue of involving the Senate."

Dr. Eddy noted that immediately after he became acting chief executive officer of the University and was faced with the decision of whether or not campus police should be armed, "the first step I took was to meet with the Faculty Advisory Committee. This committee is made up of the four Senate officers and two regularly elected Senate members.

"I consulted with them on the method of procedure and indicated I was willing to do two things: The first was to disarm the police, with which they concurred. The second was to take the issue to University Council as the one representative body which we have in our governance system, and they concurred with this."

Dr. Eddy thanked the Senate for "this very reasonable discussion without emotional overtones," and said he believed it would be most helpful to University Council and to himself.

WPSX Highlights

Lina Wertmuller's acclaimed film, *Seven Beauties*, which airs Saturday, Nov. 11, at 10 p.m. on Cinema Showcase, tells the story of a lovable rogue transformed into a hardened cynic during World War II. Giancarlo Giannini stars as an Italian rake who does what needs to be done to survive in Nazi-dominated Europe. The film received a 1977 Academy Award nomination for Best Foreign Film.

Global Papers: The Fight for Food, a special three-part presentation which begins Sunday, Nov. 12, at 8 p.m., provides a perspective on world food problems, global interdependence, and malnutrition. The first one-hour program probes the political, technical, and ethical aspects of the world food problem, which affects millions of people around the world. On Monday, Nov. 13, at 8 p.m. Part 2 of *Global Papers* documents various approaches to solving the food crisis. Thursday, Nov. 16, at 9 p.m., a 90-minute *Global Paper Forum* brings together policy makers, implementers, and representatives of food and aid agencies in a special debate. Scheduled to appear on the program are U.S. Senators George McGovern and Robert Dole, U.S. Secretary of Agriculture Robert Bergland, and Canadian Minister of Agriculture Eugene Whelan.

In 1961, retired Major General Pyotr Grigorenko, a Russian war hero, was confined after making a speech attacking Khrushchev and his "cult of personality." Ten years later, international protests brought about his release. Tuesday, Nov. 14, at 8 p.m., *The Man Who Wouldn't Keep Quiet* tells the story of Grigorenko's struggle against the Soviet system. Immediately following at 9:45 p.m., on *World in Action: General Grigorenko's New Campaign*, the Soviet dissident talks about his imprisonment and how the first TV program helped to free him.

Correspondents Marilyn Berger, Ken Bode, and Kevin Phillips discuss the outcome of key election issues Wednesday, Nov. 15, at 8 p.m. on *Election '78*. The program will assess the effects of election results throughout the country in terms of the national picture and will include commentary on what the results may mean for the 1980 presidential election.

Sir Frederick Ashton's ballet, *A Month in the Country*, is featured Wednesday, Nov. 15, at 9 p.m. on *Great Performances*. Based on Ivan Turgenev's 19th century drama, the ballet is presented from London's Covent Garden. In addition, the choreographer is interviewed in his box at the Opera House.

Thursday, Nov. 9, at 8 p.m., a special one-hour investigative report called *Arms for South Africa: The American Connection*, uncovers American involvement in covert illegal shipments of sophisticated armaments to South Africa. The program is a joint production of the BBC, CBC, and WGBH-TV in Boston.

Staff Vacancies

The following vacancies for positions classified as staff except or staff nonexcept have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 3 p.m., Nov. 16, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment Practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

POLICE SERVICE OFFICER—UNIVERSITY SAFETY. University Park Responsible to the Police Supervisor for carrying out the functions of protection of life and property; preservation of peace and good order of the community; enforcement of laws, public safety, investigative work and other related duties. Requirements include possession of a baccalaureate degree in law enforcement or the social sciences or 60 academic credits at a 2.0 or higher average and one to two years experience in a law enforcement office.

Scholars

(Continued from page 1)

Mellon grant received by the University, and by special appeals to the alumni.

Graduate School Dean James B. Bartoo asked whether a University Scholars Program would be able to accommodate the exceptional student who is also much younger than his or her peers. He pointed out that in mathematics it is not uncommon to see a 14-year-old who is ready to compete for a graduate fellowship.

The question of whether it is advisable to keep honors students together was raised by several senators.

Dr. Robert Franz, professor and head of English, said: "No one feels less a part of the University than the superior students. They feel isolated. They need to be encouraged in more ways than simply by offering special courses for them. They need to meet one another. Without clear identity and a supportive location, the program will have a difficult time. I urge that very special attention be paid to this peripheral-seeming aspect of the program."

Dr. Joseph W. Michels, professor of anthropology, suggested that certain dormitories might be set aside for honors students.

"Students don't want to go to this kind of almost ghetto," Dr. Arthur O. Lewis, associate dean in Liberal Arts, responded.

Dr. Franz suggested that it might not be a good idea to siphon off all the superior students from dormitories and classrooms.

An honors college was suggested by Dr. Donald Rung, professor and head of mathematics. "I don't think we need more courses," he said, "but rather some kind of identification at the University level."

Noting that "the needs of superior students are met at our Campus," Dr. Leonard Berkowitz, assistant professor of philosophy at York, said that extra sessions and special courses might create problems at a Campus where there could be 30 or 40 honors students spread over 20 majors. Dr. Berkowitz suggested that the University investigate participating in special programs such as the one run by Johns Hopkins which identifies mathematically gifted students in the seventh and eighth grades and then offers them one-course scholarships to various universities near their homes.

In reply to a suggestion that instead of embarking on new programs, it might be possible to allow superior students to do extra work in present courses, Dr. Franz pointed out that there could be special sections for honors students in large courses.

"This wouldn't cost the departments anything, and it would be exhilarating for both the students and the professors teaching the courses," he added. He said the Task Force anticipated that no more than 5 percent of the undergraduate student body would be eligible for a scholars program.

Roger Herman, professor of physics, said he was a little worried that every department would be required to provide honors courses.

"In some small departments, students who enter are almost automatically honors students," he said. "These departments have something about them that appears to be so difficult that it acts to screen people in advance. Not every department needs an honors designation forced down its throat."

Dr. Lewis said he was not clear about the relationship between current honors

programs and the Task Force's proposal.

"We would have no trouble identifying superior students for current programs," he continued. "We could take a lot more of them if we had more money. We ought to consider where the money should go. Are we going to spread it around and make a lot of poor districts or are we going to give it to people who already have programs going so they can do a better job?"

Dr. Franz replied that he hoped a lot of Colleges would be proposing honors programs. At present, he said, only ten such programs are offered in the University.

"There is nothing to prevent Liberal Arts from having not one program but three," he said.

Arms issue

(Continued from page 1)

expectations," Senator Arthur Anderson Jr., associate professor of architecture, pointed out. "I don't feel that I personally have the right to limit the tools someone else will use to discharge their duties."

Dr. Robert F. Schmalz, professor of geology, noted that the senators had been told that the carrying of weapons would not deter crime and that guns would not be used to fire warning shots or to stop a fleeing felon.

"Why is it felt necessary then that a certain percentage of qualified, sworn officers be instructed to carry weapons on their persons when we don't," Dr. Schmalz asked, "rather than have them available for distribution in times of stress?"

In a letter, which was read to the Senate in his absence, Dr. Philip Klein, professor of economics, raised what he described as "the underlying issue—whether the administration is to interpret shared governance to recognize the constitutional responsibility of the Senate to be consulted and to offer advice before decisions are reached on major questions affecting the general welfare of the University."

Dr. Klein announced that in the near future he would offer a constitutional amendment to the Senate to assist it in carrying out its advisory responsibilities when issues arise suddenly and must be decided in a short time.

The Faculty Affairs Committee, of which Dr. Klein is chairman, had introduced a resolution at the Oct. 3 Senate meeting asking that Senate consultation be sought on arming of campus police. The resolution was required to lie on the table until the Oct. 31 meeting since the

News in brief

(Continued from page 1)

A previous seminar on the same topic was held prior to spring term 1978.

The seminar is designed for faculty who are interested in instructional techniques and procedures successfully used by other Penn State faculty members in offering large group courses. Specific topics to be covered will include: the structure of course content for large groups, motivating the student in large classes, appropriate presentation techniques, encouraging student interaction, techniques for monitoring student performance, calculating grades, providing student feedback, and other related topics.

Participants can use the seminar topics as a basis for structuring experiments in their own courses; they can also use the seminar as a basis for designing course development proposals to be submitted for University funding.

The seminar will be conducted by UDIS with invited participation by faculty members from several Colleges within the University who have had successful experience with large classes.

The seminar is limited to 35 participants on a first come basis. For reservations or additional information, please call the office of the Director at 865-7675.

Parking rules modified for Pitt-Penn State game

Because of the Pitt-Penn State game, parking rules and regulations at University Park will be modified on Friday, Nov. 24, to allow any area parking. Faculty/staff and student parking areas will be open parking areas. However, vehicles still must be parked in bona fide parking spaces. Regulations concerning reserved parking spaces will remain in effect.

Some parking and driving inconveniences may be encountered, especially at Shields and Wagner Buildings, the Maintenance Building, Business Services Building, and other areas at the extreme northeast section of campus.

Parking areas Orange E and Orange L at Shields will be closed to employee parking. Parking areas Orange D at Wagner, Student Parking Lot 80, Blue D and Blue E at the Auditorium and Computation Center will be available for Shields and Wagner employee parking.

The Orange B parking areas at East Halls, which can only be entered from University Drive, should not be used unless the vehicle is to remain until after the football game.

It is anticipated that some employees will choose to work Friday morning and use one-half day vacation in the afternoon. Football traffic patterns will be put into effect at 9:30 a.m. Employees exiting the Orange D parking areas at about noon will not be able to proceed eastward. All vehicles leaving the vicinity of Wagner Building will have to travel Curtin Road westward to Bigler Road, and then proceed southward to exit on College Avenue, or go westward again on Pollock Road to exit on Atherton Street.

Curtin Road between Bigler Road and the Orange D parking areas is a pedestrian walkway during home football games, but vehicular traffic will be permitted westward egress.

Employees departing from the Maintenance Building, Business Services, Salvage Warehouse, and the Agricultural Farms area during incoming football traffic patterns will be able to exit northward on Fox Hollow Road through the Toftrees area or eastward via Orchard Road only.

The game is expected to end at about 4:30 p.m. Employees who work the whole day and leave campus about 5 p.m. may encounter heavy traffic after the game. Outgoing traffic patterns from the stadium will go into effect at about 3 p.m.

No mail deliveries will be made Nov. 23-24

There will be no deliveries at University Park of Interdepartmental Mail, U.S. Mail, or United Parcel Service packages on

SUPPORT CENTRE COUNTY UNITED WAY



More donations to the 1978 United Way campaign are needed to prevent it from falling behind last year's level of giving. As of Nov. 1, 840 Penn States had donated or pledged a total of \$63,758 toward the goal of \$95,000. By the same date last year, 893 employees had provided a total of \$67,863. The five leading campaign divisions are: offices reporting to the Provost, with 180 employees contributing \$11,704; the College of Agriculture, with 143 employees giving \$11,412; Engineering, with 59 employees donating \$6,194; Liberal Arts, with 56 employees providing \$4,482; and Health, Physical Education and Recreation, with 53 employees offering \$4,359. Use the payroll deduction plan and forward your pledge today.

Thanksgiving Day, Nov. 23, and Friday, Nov. 24, the day of the Pitt-Penn State football game.

Persons who need to mail out material by U.S. Mail or United Parcel Service on Friday, Nov. 24, can deliver it to Mailing Services, Room 108 Business Services Building between 9 a.m. and 5 p.m. for processing. Regular service will resume on Monday, Nov. 27.

Further information may be obtained from Mailing Services at 865-9171.

New magazine-catalogue published by AVS

The University's Audio Visual Services has published a new magazine-catalogue designed to acquaint faculty members and others with recent acquisitions of outstanding films.

The first issue of "Perspectives of Film" focuses on religion and the family, and features an article ("Religious America") by Dr. Joseph E. Faulkner, associate professor of sociology. Subsequent issues will deal with film offerings related to such disciplines as visual anthropology, science and education.

The publication is edited by Catherine M. Egan, assistant director for reference and distribution.

Free copies are available to faculty members. Write to Ms. Egan in Room 208 Special Services Bldg.

Photography show at Commons Gallery

The Commons Gallery is presenting a photography exhibition by Linda Connor through Nov. 25. Ms. Connor, who currently teaches photography at the San Francisco Art Institute, studied at the Rhode Island School of Design and the Institute of Design in Chicago.

She has had one-woman shows in the Dayton Art Institute, Focus Gallery in San Francisco, Light Gallery in New York, and the De Young Museum in San Francisco. Her work was also featured in *Light and*

Questions for faculty and staff to help in planning for 1980s

The following questions were prepared by the members of the Plan for the '80s Task Force which is concerned with faculty and staff. Since the Task Force is eager to receive as much input as possible from the University community, it hopes that these questions will stimulate communication. Although communication should be in written form, the mode of expression may be extremely informal, according to Task Force Chairman Carol B. Cartwright. Writers may address any one or all of the issues raised.

The Task Force is eager to hear from members of the University's staff as well as from faculty, and all contributions should be signed. Open hearings will also be held later to give faculty and staff further opportunities to voice opinions.

Correspondence should be sent by the end of fall term either to Dr. Cartwright, Room 155 Chambers Bldg., University Park; or to Ruth Hollinger, Room 315 Old Main, University Park.

1. Is Penn State's faculty stronger (of higher quality) than it was five years ago? What is required to ensure a faculty of high quality for the 1980s?
2. What are some creative, yet realistic ways of maintaining faculty/staff vitality through the 1980s? Consider the implications of factors such as: enrollment, financial resources, effect of new retirement laws, mobility among the professoriate.
3. What constitutes an appropriate mix of human resources for the University? How should factors such as the following figure in the mix: academic discipline, affirmative action, College affiliation, location, rank, type of appointment (e.g., part-time/full-time, faculty/staff, standing/fixed term)?
4. What is your perception of the University's track record in matching the reward structure to the assignment/load of the individual it rewards? If you think it is good, what makes you think so? If it is poor, how would you change it?
5. Would you agree with the statement that salary increases and other rewards should be tied closely to performance evaluations? Why? Why not?
6. If you were to list those things that make your position at PSU interesting and challenging, what would appear in the top three places on your list? Do you feel that your colleagues across the University would be in close agreement with the items on your list?
7. What specific actions can be taken by the University to affect positively the morale of faculty and staff?

The Plan for the '80s Faculty and Staff Task Force will also hold hearings on Tuesday, Nov. 14, and Thursday, Nov. 30, at University Park to encourage further discussion of the above questions.

The Nov. 14 hearing will be held from 1 to 3 p.m. in Room 301 Keller Bldg. The Nov. 30 hearing is scheduled from 10 a.m. to noon and from 1 to 3 p.m. in Room 101 Kern. Not all task force members will be present at each meeting.

Hearings for faculty and staff at the eastern Campuses will be held from 1:30 to 4 p.m. Nov. 15 in the Community Student Learning Center at the Berks Campuses.

For the Western Campuses, faculty/staff hearings will take place at the McKeesport Campus from 1:30 to 4 p.m. Nov. 30 in Room 117 Frable Bldg.

Lens published by Morgan and Morgan in 1973.

This exhibition is presented for national touring by the Apeiron Workshops, Millerton, N.Y., and is made possible by the Commons Gallery by a grant from the Commonwealth of Pennsylvania Council on the Arts.

Stone Valley area open for hunting season

Hunters of small game are invited to use the 6,700 acre Stone Valley Experimental Forest, Dr. James S. Lindzey, leader of the Cooperative Wildlife Research Unit at University Park, announces.

Surveys of hunting in the Stone Valley Experimental Forest have been kept since 1962 by graduate students in the Wildlife Research Unit. Highest records of game taken included 314 gray squirrels in 1968, 118 cottontail rabbits in 1962, and 220 deer in 1962. Small game harvest information represents only a three-day sample and not total kill. Dr. Lindzey points out.

"Messiah" sing-in auditions being held

Soloists' auditions for the Fourth Annual Messiah Sing-In are being held through Nov. 12. Those interested in trying out are asked to call the University's Eisenhower Chapel at 865-6548 between 9 a.m. and 4 p.m. to set up an audition time.

The informal concert, which is sponsored by the State College Symphony Orchestra and the Office of Religious Affairs at the University, is scheduled for Sunday, Dec. 10, at 3 p.m. in Eisenhower Auditorium. It is open to anyone who wishes to sing or listen.

African Pastor on hand to discuss SW Africa

The Reverend Mr. Mesiaki Kilevo, president of the Synod in the Arusha Region, Evangelical Lutheran Church in Tanzania, will be meeting with persons interested in the situation in S.W. Africa in the lounge at Eisenhower Chapel from noon until mid-afternoon on Friday, Nov. 10. Participants are welcome to bring a brown bag lunch. Anyone unable to join Pastor Kilevo at the luncheon can attend a second discussion at 7 p.m. in the Fireside Lounge, Grace Lutheran Church.

Pastor Kilevo has been educated both in his own country and here in America and is presently bringing to an end his four-month stay in America.

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Penn State Intercom

Penn State will send students on China tour

Penn State is one of six U.S. universities and two consortia that have been invited to send students to The People's Republic of China as members of the first major U.S. student group to tour China in modern history.

For Penn State, however, it will be the second time the traditional barriers of the "Bamboo Curtain" have been transcended. Four years ago, University President Dr. John W. Oswald led a 12-member delegation from Penn State to China, sponsored by the Ford Foundation. It was the first such group to visit the People's Republic from a single U.S. university.

Now, through the Council on International Educational Exchange in New York, China has invited 22 American students for a three-week study tour during the month of January 1979. Penn State has been invited to select three students for the tour.

"This is the first time China has done anything like this," said Dr. W. Lamarr Kopp, director of the Office of Foreign Studies. "It's a major breakthrough. Until now, the wall was more than a symbol; it was a reality. Finally, in a small way, we are starting to open relations."

Penn State was one of the universities chosen, Dr. Kopp said, because of "our long-standing interest in China."

In the 1974 tour led by Dr. Oswald, faculty members from several disciplines spent three weeks in six cities, touring factories, communes and schools, and paying particular attention to Chinese universities.

At the conclusion of that tour, Dr. Oswald expressed interest in a formal exchange program between Chinese and American students, but at that time China was still maintaining that such a program was not possible until diplomatic ties were restored between the two countries.

Now, according to Dr. Parris Chang, professor of political science and one of the members of the 1974 tour, China's position has changed. China has dropped its political precondition, he said, because of the desire to modernize.

"China feels it can no longer wait. The Chinese want to speed up the development of their economy, and regard sending students to the industrialized nations as a major step in their effort," Dr. Chang said. "Penn State's strengths in the areas of agriculture, science, mining and engineering would certainly be attractive to the Chinese."

The 22 American students who will travel to China in January are thought to be in the vanguard of many such educational tours and exchanges. The tour will last from Jan. 2 to 25 and will include visits to Tokyo, Hong Kong and the Chinese cities of Chengtu, Shanghai, Hangchow, Kwangchow and Peking.

At Penn State, undergraduate students who have a major in Asian Studies or a special interest in China will be primary candidates for the tour.

Other Universities and consortia which have been invited to participate in the program are Rutgers, Michigan State, Indiana, Wittenberg, University of Washington, Great Lakes College Association and California Private Universities and Colleges.

Engineering majors' requirements altered

In the face of mounting enrollment pressures, Penn State's College of Engineering is adopting more stringent requirements for students wishing to major in an upper division engineering field.

"Under the new policy, students must take a program of course work appropriate for entry to their chosen major and must also pass certain required math, physics and chemistry courses," explains Engineering Dean Nunzio J. Palladino.

"These courses must be completed by the sixth term, and the student must have maintained a minimum grade point average of 2.30 or higher."

The new policy applies to all students admitted beginning Fall Term 1978.

"This approach," Dean Palladino points out, "will give any freshman who wants a chance to embark on an engineering program the opportunity to do so."

Since 1975, upper division undergraduate enrollment in the College of Engineering has increased by 44.1 percent and freshman enrollment by 12.4 percent.

"Some limit on upper division enrollments has become necessary," Dean

Palladino explains, "because instruction for juniors and seniors majoring in engineering is heavily problem oriented. Design courses, problem sessions and laboratory and studio work cannot be taught in large sections. The decline in State funding for Penn State has left us without the resources we need to handle the large number of students seeking access to our programs."

All freshmen are admitted to the College of Engineering without classification in a major and are simply designated as "Engineering" students until they choose their major. Dean Palladino explains. They may remain in the "Engineering" status for six terms.

Three majors — Agricultural Engineering, Architectural Engineering and Engineering Science — are not included under the new policy. Agricultural Engineering is not yet facing enrollment pressures as severe as those in other engineering disciplines.

Architectural Engineering already has enrollment limitations — it takes in 90 sophomore students a year. Engineering Science is an honors program which

requires a 3.00 grade point average for entry.

The College's advising and counseling program has been beefed up to help "Engineering" students who may be in trouble under the new grade point provisions.

"Engineering" students whose average falls below 2.30 will be notified each term and will then meet with a representative from either the College or the Division of Undergraduate Studies (DUS).

The College and DUS have developed an advising program for such students to help them in coping with their academic problems. If appropriate, students may be assisted in pursuing some alternative to a major in the College.

Advising and counseling will be available to all "Engineering" students at University Park, Berhard College and at the University's 17 Commonwealth Campuses.

"We believe that with these new measures no students will be ruled out of an engineering program before they have had a chance to demonstrate their abilities," Dean Palladino concludes.

News in Brief

President returns

President John W. Oswald returned to his desk on Monday, Nov. 13. He has assumed his full responsibilities as University President, although for the present he will curtail some of his outside activities and speeches.

Reminder

The Plan for the '80s Faculty/Staff Task Force will hold hearings at University Park from 10 a.m. to noon and from 1 to 3 p.m. Thursday, Nov. 30, in Room 101 Kern.

The same day, several members of the Task Force will travel to the McKeessport Campus to hold hearings for faculty and staff at the western Campuses from 1:30 to 4 p.m. in Room 117 Frable Building.

Symphony to present Young People's Concert Dec. 2

The Penn State Symphony Orchestra will present a Young People's Concert at 10 a.m. Saturday, Dec. 2, in Eisenhower Auditorium.

The Symphony will perform several Russian compositions, including the "Colas Breugnot Overture" by Dmitri Kabalevsky and Six Characteristic Dances from Tchaikovsky's "The Nutcracker."

Also on the program is the Andante from Haydn's Symphony No. 94, often called the "Surprise Symphony." Several modern works will be featured, among them, "Sibelius's" "Finlandia," the Fantasia on "Greensleeves" by Vaughn Williams, Copland's "Buckaroo Holiday" from "Rodeo," and selections from Gian-Carlo Menotti's "Amahl and the Night Visitors."

The concert is sponsored by the Department of Music and is free and open to the public. The Symphony encourages adult supervision for younger children attending the concert.



General Stores hours change

General Stores will be open from 6 a.m. to 2:30 p.m. on Friday, Nov. 24, the day of the Pitt-Penn State game. There will be no campus deliveries, but personnel will be available to assist departments needing supplies.

Holiday schedule

The Office of Personnel Administration has announced the following official holiday schedule.

Thanksgiving is the next official University holiday, and it will occur Thursday, Nov. 23. Except for The Milton S. Hershey Medical Center, the official University holidays in December will be Monday through Friday, Dec. 25, 26, 27, 28 and 29.

Because of the necessary operations of The Milton S. Hershey Medical Center, employees there, in accordance with policies applicable to the Medical Center, earn service days during a calendar year, in lieu of the extra days at Christmas time. However, Dec. 25 is an official holiday at the Medical Center.

Monday, Jan. 1, 1979, also will be an official holiday at all University locations.

While most University offices will close on the days listed above, essential services will be maintained during these holiday

periods, and employees scheduled in those areas will be expected to provide services as in the past.

Charity Ball Dec. 9

The 1978 Charity Ball will be held from 9 p.m. to 1 a.m. Saturday, Dec. 9, at three locations — the Sheraton Motor Inn Ballroom, Mr. C's, and Gatsby's.

A ticket will admit one couple to any or all of these locations for the entire evening.

Funds from this year's Charity Ball, which is sponsored by the College Area Auxiliary to the Centre Community Hospital, will be used to purchase ultrasonic equipment. Diagnostic ultrasound is similar to radiography (X-rays) in that it provides a method of examining structures beneath the skin surface.

A major advantage of ultrasonography is its capability of distinguishing interfaces between the different soft tissue structures of the body without the use of dyes. Ultrasonography is particularly useful for diagnostic studies in very ill and seriously injured patients where more invasive techniques cannot be safely performed.

Charity Ball tickets may be obtained from volunteers in the University's Colleges and departments or by contacting Ilene and Sheldon Gelman at 238-4141, 865-3331, or 234-0314. The Gelmans are

(Continued on page 4)

Penn Staters

Dr. Peter D. Usher, associate professor of astronomy at the University, recently presented invited talks at NASA-Goddard Space Flight Center, Greenbelt, Md.; Lowell Observatory, Flagstaff, Ariz.; and the University of Pennsylvania. He discussed the photometry, variability, morphology, recession and statistical completeness of Quasars in high galactic latitudes, and the properties of the related class of BL Lacertae objects.

Dr. Frederick G. Ferguson, associate professor of veterinary science and director of the Laboratory Animal Resources Program, was chairman of a session on Maternal-Fetal Immune Interactions at the IVth International Symposium on Immunology of Reproduction in Varna, Bulgaria, in September. He also presented a paper there entitled "Suppressed Effector Cell Immune Response During Pregnancy and Lactation."

Dr. Gregory L. Geoffroy, assistant professor of chemistry, presented invited talks at Case Western Reserve University, Swarthmore College, State University of New York at Buffalo, and the University of Toronto. He discussed "Synthesis, Dynamics, and Reactions of Mixed-Metal Organometallic Clusters."

Dr. Arthur B. Abt, assistant professor of pathology at Hershey, has been named chief of anatomic pathology there. Dr. Abt holds a B.A. degree from Rutgers and an M.D. from George Washington University. He served his internship at George Washington University Hospital and a residency in pathology at Mount Sinai School of Medicine in New York City. He came to Hershey in 1973 from Baltimore, where he had been assistant chief of pathology at the U.S. Public Health Service Hospital.

Dr. Kenneth R. Beittel, professor of art education, is currently exhibiting recent stoneware and pottery works at the Art Asia Gallery in Boston, Mass. The works, all of which are high fire and wheel-thrown, range from large jars and plates to small bowls and bottles, and from local, native clays to pure porcelain. The gallery ordinarily handles only Asian artists. However, Dr. Beittel's works evoke oriental influences as a result of his apprenticeship to Japanese master potter Manju Inoue.

Delaware County Extension agent **Clarence R. Bryan and David N. Kinsey**, education community development youth agent for Bradford, Sullivan and Susquehanna counties, have received Distinguished Service Awards from the National Extension 4-H Agents Association. Mr. Bryan was cited for his educational youth programming in urban areas and Mr. Kinsey, for his outstanding career education programs.

Dr. Maurice Shamma, professor of chemistry, and **Dr. Jerome L. Monist**, senior project associate, are authors of a new book, *Isoquinoline Alkaloids* (1972-1977, published by Plenum Publishing Corp.).

The isoquinoline alkaloids are a large family of plant derivatives valued for centuries for their medicinal properties. The 425-page volume is a sequel to Dr. Shamma's earlier book, *The Isoquinoline Alkaloids, Chemistry and Pharmacology*, published by Plenum in 1972. The earlier book, a landmark reference work, was the first comprehensive review of the field. The new book is a continuation of the earlier work and describes important developments in the extensive research since 1972.

In the second book, the authors place special emphasis on the chemical interrelationships among the isoquinoline alkaloids and on the various synthetic methods for producing them. Closely related topics such as pharmacology and biogenesis are also covered, and in addition the volume provides information useful for elucidating newly isolated alkaloids. Dr. Shamma and

Dr. Monist devote chapters to each of the seven new alkaloid types discovered since 1972, including baluchistanamine and the aporphine-pavine dimers, pennylpavine and pennylpavoline which they themselves discovered.

Nobel Laureate Derek Barton said, "This new volume will be an essential addition to the libraries of all those interested in the chemistry, biochemistry, and biology of alkaloids. It will become a standard reference work for anyone who wishes to look up known work on isoquinoline alkaloids."

New Faculty at University Park

College of Earth and Mineral Sciences

Lawrence M. Cathers III as assistant professor of geosciences. B.A., Ph.D., Princeton U. Formerly with Ledgemont Laboratory, Kennecott Copper Corp.

Randolph J. Martin as assistant professor of geophysics. B.S., Boston College, M.S., Ph.D., M.I.T. Formerly assistant professor, C.I.R.E.S., U. of Colorado at Boulder.

James G. Blance as assistant professor of geochemistry. B.S., U. of Wisconsin, Ph.D., Stanford U. Formerly research associate, Penn State.

Gregory S. Forbes as assistant professor of meteorology. B.S., Penn State, M.S., Ph.D., U. of Chicago. Formerly research associate, U. of Chicago.

College of Education

Madeline M. Maxwell as assistant professor of special education. A.B., Bryn Mawr College, M.Ed., U. of Arizona, Ph.D. in progress, U. of Arizona. Formerly lecturer, U. of Arizona.

College of Engineering

G. Warren Marks as assistant professor of civil engineering. B.C.E., M.S., Cornell U., Ph.D., U. of Illinois. Formerly assistant professor, Purdue U.

Mark A. Fugelso as assistant professor of industrial engineering. B.S., U. of Minnesota, M.S., Stanford U., Ph.D., U. of Wisconsin. Formerly lecturer, U. of Wisconsin; assistant professor, N. Illinois U.; design engineer, Honeywell, Inc.

Gordon F. Hayhoe as assistant professor of mechanical engineering. H.N.D., Southall College of Technology, M.Sc., Ph.D., Cranfield Institute of Technology. Formerly research officer, Cranfield Institute of Technology.

Kent R. Petersen, assistant professor of engineering mechanics. B.S.M.E., U. of Houston, M.S.E., U. of Michigan, Ph.D., Stanford U.

Ervin L. Dukatz Jr. as instructor of civil engineering. B.S.C.E., Valparaiso U., M.S.C.E. in progress, Penn State.

Arthur L. Haas as instructor of civil engineering. B.S., U. of Rhode Island, M.S., U. of Illinois, Ph.D. in progress, Penn State.

Daniel J. Tylavsky as instructor of electrical engineering. B.S., M.S., Penn State, Ph.D. in progress, Penn State.

College of Health, Physical Education and Recreation

Paula J. Donohoe as assistant professor of physical education. B.A., Northwestern U., M.A., U. of California. Formerly staff assistant, Trap and Field Magazine; instructor, Bognor U.

Caryle Carter as instructor of physical education. B.S., Penn State, M.Ed. in progress, Penn State.

Andrew B. Matter as instructor of physical education. B.S., Penn State, M.Ed. in progress, Penn State.

Daniel P. Riley as instructor of physical education. B.S., Keene State College, M.S., U. of Indiana. Formerly instructor-specialist/coach, U.S. Army, West Point.

John Rosenberg as instructor of physical education. B.A., Harvard U., M.Ed., Penn State. Debra Tummins as instructor of recreation and parks. B.S., M.Ed., Memphis State U.

Patricia W. Whitelaw as instructor of health education. B.S., Penn State, M.S. in progress, Penn State.

College of Human Development

Carolyn A. Banghart as assistant professor of nursing. B.S., Lock Haven State College, B.S.N., M.P.H., Johns Hopkins U. Formerly nursing consultant, Maryland State Dept. of Health and Mental Hygiene.

Jay Belsky as assistant professor of human development. B.A., Vassar College, M.S., Ph.D.,

Cornell U. Formerly research associate, Comprehensive Interdisciplinary Developmental Services, Inc.

Lynne I. Goodstein as assistant professor of administration of justice. B.A., U. of Pennsylvania, Ph.D., City U. of New York. Formerly assistant professor, Juniata College.

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Carl D. Riegel as assistant professor of food science and housing administration. B.A., St. Louis U., M.A., Webster College. Formerly instructor, Jefferson College.

Gerald D. Weisman as assistant professor of man-environment relations. B.Arch., Carnegie-Mellon U., M. Arch., U. of Michigan, Ph.D. in progress, U. of Michigan. Formerly assistant professor, Kansas State U.

College of the Liberal Arts

Robert O. Blanchard as professor and director of journalism. B.S., M.S., Northwestern U., Ph.D., Maxwell School of Citizenship and Public Affairs, Syracuse U. Formerly professor of journalism and dean of the School of Communication, The American U.

Thomas D. Borkovec as professor of psychology. B.S., Loyola U., M.A., Ph.D., U. of Illinois. Formerly associate professor, U. of Iowa.

John D. Martz III as professor and head of political science. A.B., Harvard U., A.M., George Washington U., Ph.D., U. of North Carolina. Formerly professor, U. of North Carolina.

Ernst I. Schurer as professor and head of German. B.A., U. of Texas, M.A., Ph.D., Yale U. Formerly professor and chairman of German language and literature, U. of Florida.

Edward A. Brawley as associate professor of social welfare. Certificate, Heriot-Watt U., Scotland. Certificate, Loughborough College, Scotland. Certificate, U. of Strathclyde, Scotland. D.S.W., U. of Pennsylvania. Formerly associate professor and division director, Community College of Phila.

Robert E. Harkavy as assistant professor of political science. A.B., Cornell U., M.A., U.C.-Berkeley, Ph.D., Yale U. Formerly senior research fellow, Cornell U. foreign affairs officer, U.S. Arms Disarmament Agency; assistant professor, Kalamazoo College.

Keith E. Nelson, as associate professor of psychology. B.A., Harvard U., Ph.D., Yale U. Formerly assistant professor, Graduate Faculty, New School for Social Research; assistant professor, Stanford U.

Mark Ott as associate professor of economics. A.B., M.A., Ph.D., U.C.-Los Angeles. Formerly assistant professor, Virginia Polytechnic Institute and State U.

Jean-Hugues A. Boisset as assistant professor of French. Licence, Maitrise, Universite de Paris, Ph.D., U. of Florida.

Elizabeth A. Bowden as assistant professor of English. B.A., U. of Wisconsin; Ph.D., U.C.-Berkeley.

Jeannette D. Bragger as assistant professor of French. B.A., M.A., Ph.D., U.C.-Santa Barbara. Formerly assistant professor, U. of Massachusetts.

Betsy E. Brown as assistant professor of English. B.S., Appalachian State U., Ohio State U., Ph.D. in progress, Ohio State U.

Thomas F. Cosimano as assistant professor of economics. B.S., M.A., Ph.D. in progress, S.U.N.Y.-Buffalo.

Jeannette D. Fahnestock as assistant professor of English. B.A., U. of Illinois; M.A., U. of Indiana, Ph.D., U. of London.

Earl E. Fitz as assistant professor of Spanish. B.A., M.A., U. of Iowa, M.A., Queens College, C.U.N.Y.; Ph.D., C.U.N.Y. Graduate Center. Formerly assistant professor, Dickinson College.

Jorunn Jacobsen as assistant professor of religious studies. Cand. Mag., Oslo U., Norway; Cand. Philol., Bergen U., Norway; Ph.D., U. of Chicago. Formerly lecturer, U. of Chicago.

Stuart J. Kaplan as assistant professor of speech communication. B.S., U.C.-Berkeley; M.A., Ph.D., U. of Oregon. Formerly assistant professor, U.C.-Davis.

Emilia E. Martinez-Brawley as assistant professor of social welfare. B.A., U. of Tucuman, Argentina, M.S.S., Bryn Mawr College. Ed.D. in progress, Temple U.

Formerly assistant professor, La Salle College. **Bruce A. Murphy** as assistant professor of political science. B.A., U. of Massachusetts; Ph.D., U. of Virginia.

Wendy J. Sarvasy as assistant professor of political science. B.A., Berkeley, M.A., Ph.D., U.C.-Los Angeles. Formerly instructor, California State U. at Northridge.

Marie Seeger as assistant professor of English. B.A., College of New Rochelle; M.A., Ph.D., Brown U.

John L. Selzer as assistant professor of English. B.A., Xavier U., M.A., Ph.D., Miami U. of Ohio. Formerly instructor, Miami U.

William C. Star as assistant professor of philosophy. B.A., M.A., California State U., Los Angeles, Ph.D., U. of Wisconsin. Formerly lecturer, U. of Wisconsin.

Brian I. Supak as assistant professor of public administration. A.B., U.C.-Davis, M.A., Ph.D., U.C.-Los Angeles. Formerly postdoctoral fellow, Inst. of Public Policy Studies, U. of Michigan.

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Michael M. McQuade as instructor of sociology. B.S., Florida State U., M.A., Penn State, Ph.D. in progress, Penn State.

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Susan T. Radis as instructor of social welfare. B.S., Penn State, M.S.S., Bryn Mawr College. Formerly assistant professor, U. of North Dakota.

Michael A. Titterton as instructor of speech communication. B.A., U. of Windsor; M.A., Wayne State U. Formerly instructor, Virginia Polytechnic Institute and State U.

Bruce A. Williams as instructor of political science. B.A., Hamilton College, Ph.D. in progress, U. of Minnesota.

College of Science

Edward W. Formanek as professor of mathematics. B.S., U. of Chicago, M.S., DePaul U.; Ph.D., Rice U. Formerly professor, Hebrew U., Jerusalem, Israel.

Daniel W. Weedman as professor of astronomy. B.A., Vanderbilt U.; Ph.D., U. of Wisconsin. Formerly associate professor, Vanderbilt U.

Frederick C. Wedler as associate professor of biochemistry. B.S., U. of North Carolina; Ph.D., Northwestern U. Formerly associate professor, Rensselaer Polytechnic Institute.

Steven M. Weinreb as associate professor of chemistry. A.B., Cornell U., Ph.D., U. of Rochester. Formerly associate professor, Fordham U.

Goong Chen as assistant professor of mathematics. B.S., National Tsing Hua U., Taiwan; Ph.D., U. of Wisconsin. Formerly assistant professor, Southern Illinois U.

Bruce G. Lindsay as assistant professor of statistics. B.A., U. of Oregon, Ph.D., U. of Washington.

Robert M. Petters as assistant professor of biology. B.A., U. of Delaware; M.S., Ph.D., North Carolina State U. Formerly postdoctoral associate, Yale U.

Ronald D. Porter as assistant professor of microbiology and cell biology. B.S., Cornell U., M.A., Ph.D., Duke U. Formerly postdoctoral associate, Yale U.

Janos Simon as assistant professor of computer science. B.S., Universidade de Sao Paulo, Brazil. Ph.D., Cornell U. Formerly associate professor and head of computer science, UNICAMP, Sao Paulo Universidade de Campinas, Brazil.

Walter P. Smith as assistant professor of microbiology and cell biology. B.S., Ph.D., Rensselaer Polytechnic Institute. Formerly research fellow, Harvard Medical School.

Andrew G. Stephenson as assistant professor of biology. A.B., Miami U. of Ohio, M.S., Ph.D., U. of Michigan. Formerly lecturer, U. of Michigan.

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From the Trustee Docket

Fall enrollment totals 52,801

Fall term enrollment at all Penn State campuses totaled 52,801 as of Oct. 15. That total includes 35,428 baccalaureate degree students; 3,432 associate degree; 6,569 graduate-medical; 1,834 nondegree; and 2,538 provisional.

A breakdown by location shows 31,881 students enrolled at the University Park Campus; 15,989 at 17 other Penn State Campuses; 1,526 at Behrend College; 2,591 at Capitol Campus; 504 at Hershey Medical Center; and 310 at the Radnor Center.

According to Dr. Robert E. Dunham, vice president for undergraduate studies, the enrollment figures are comparable to enrollment totals at Penn State in mid-October of the 1977 fall term. Total University enrollment as of Oct. 15, 1977, was 52,881.

Continuing Ed reports record enrollments

For the eighth consecutive year, student enrollments in informal courses conducted through Continuing Education by the Colleges reached a new record high in 1977-78.

A total of 80,960 persons enrolled in conferences, workshops and seminars at more than 150 locations in the Commonwealth, according to Floyd B. Fischer, vice president for Continuing Education.

"The need for continuing education will increase," he predicted, "providing further opportunities for service to the Commonwealth by faculty and staff."

Total course enrollments in all Continuing Education courses added up to 139,876 persons at 210 locations. Enrollment in credit courses totaled 41,803, and active student enrollment in independent study by correspondence also increased over last year to 16,482. There were 631 enrollments in unit courses.

Other increases were recorded in community services and in the number of instructional and service programs financed through contracts and grants. One hundred fifty-one contract awards were made for Continuing Education programs totaling almost \$4.8 million. The number of awards is a record high at Penn State.

Mr. Fischer noted the continued growth of the in-school educational television service conducted through WPSX-TV in association with the Allegheny Educational Broadcast Council.

representing elementary and secondary schools in Central Pennsylvania. Member schools now total 67, with an enrollment of 123,600 pupils.

Mr. Fischer also reported growth in the Continuing Education activities of Audio Visual Services. More than 55,000 films and other media products were distributed while about 1,000 films and tapes produced at Penn State were sold to other educational agencies.

The report showed a steady increase in enrollments in extended degree programs. During the past year, degrees were conferred on the first graduates of the extended baccalaureate degree program in nursing, which is offered by the College of Human Development as a service to diploma school of nursing graduates in western Pennsylvania. Degrees also were conferred in 1977-78 in eastern Pennsylvania to the first graduates of the extended baccalaureate degree program in administration of justice.

The most recent development in extended degrees was the agreement by the College of the Liberal Arts and Business Administration to provide the choice of a business emphasis in the existing extended associate degree in letters, arts, and sciences.

The program, Mr. Fischer said, would respond to increased interest in business courses and at the same time maintain the strong and lasting influence of a broad

general arts background.

A number of innovative programs were conducted through Continuing Education during the past year.

They included:
— The Young Executives Programs of the College of Business Administration, which provides a four-week intensive course for executives under the age of 35.
— The development and expansion of Continuing Education programs in mining.

— The Certificate Program in Therapeutic Recreation, which prepares professionals to work with persons who are recovering from or adjusting to illness, disability, or social problems.

— The Professional Development Certificate Program in Education, which allows a selection of courses leading to the award of a professional achievement certificate by the College of Education.

Community service programs were also highlighted in the annual report. Some of them include:

— Pennsylvania Technical Assistance Program (PENNTAP), a technology transfer system designed to aid organizations and agencies in the State. Documented economic benefits for the year totaled \$3.1 million to agencies in both the public and private sectors of the economy. A total of 1,548 organizations were served, and PENNTAP handled more than 2,000 technical questions.

— Physician and Nurses Grand Rounds conducted at Hershey Medical Center and the Evelyn G. Frederick Health Center in Millersburg. Providing information about new developments in medicine, the Grand Rounds served 14,875 participants in 1977-78.

— The Coordinating Council in Continuing Education Health Care. Almost 13,000 persons who work in and through hospital settings participated in service programs through the use of television, film, audio tapes and instruction by telephone.

Sketch plans approved for Indoor Sports Complex

The Trustees have approved sketch plans for the Indoor Sports Complex at University Park.

The plans are the first step in Board of Trustee approval of the overall design for the Indoor Sports Complex. Funds for the complex, including design and architect costs, are being provided through contributions from alumni and friends of the University. The project will be constructed in phases.

The plans, designed by the Pittsburgh architectural firm of Dieter Rietz Sippel Associates, provide for construction of a year-round ice skating facility and a support facility which will provide locker rooms, shower rooms, offices, meeting and seminar rooms.

Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Recreation, said the Indoor Sports Complex also will enhance several other aspects of College programs. It will provide more space for recreational activities and for specialized classes. In addition to athletics, recreational, and physical education activities, it is anticipated that the complex will be used periodically by other groups, such as the Blue Band and the R.O.T.C.

Under the first phase of the project, approved by the Trustees in May, the present Ice Pavilion is being converted for indoor sports use. Installation of a concrete base covered by an artificial surface is nearing completion.

The facility will provide indoor activity space for football, baseball, softball, soccer, lacrosse, field hockey and track when outdoor practice fields are not usable.

As part of the ongoing project, the Board also approved final plans for a temporary outdoor ice skating rink for use until the new indoor facility is completed. The outdoor rink, located southeast of the

present Ice Pavilion, is expected to be completed by the beginning of winter term.

According to the sketch plans, the proposed new indoor ice skating facility will be located between the Ice Pavilion and McKean Road and will be linked directly to the pavilion building.

Construction on the projected site will require removal of the present ice skating house and possibly two of the 23 buildings in Nittany Hills, a residence complex of barracks-type, single-story buildings constructed in the mid to late 1940s following World War II.

New scholarships reported

A report on a number of recently established scholarship funds was submitted to the Trustees at their Nov. 9-10 meeting. The funds include:

— The Charles Henry Berle Memorial Scholarship fund, set up with a grant of more than \$22,700 from the estate of the late Mr. Berle, a 1920 graduate in industrial chemical engineering. The fund will provide scholarships to students needing financial aid to complete college. Consideration will be given to all students eligible for the Penn State Scholars Program.

— The Francis H. Wallace Memorial Fund, set up at Mont Alto by Joseph B. Paul Jr. of Mechanicsburg, Pa., in memory of his friend and classmate, with an initial principal of \$4,000. Mr. Wallace graduated from Mont Alto in 1942 with a degree in commerce. Awards will be made to students studying forestry who are residents of Dauphin, Cumberland or Lebanon counties.

— The Robert W. and Evelyn Kremer Memorial Scholarship Fund, to be established by contributions from the estate of Mr. Kremer, a 1929 graduate in civil engineering. Scholarships will go to students enrolled or planning to enroll in the College of Engineering, who have or give promise of a superior academic record and who are in need of financial aid.

— The Fayette Campus Advisory Board Fund to aid part- or full-time degree students. Established by the Advisory Board with an initial principal of \$3,726, the fund will provide one interest-free loan per term for no more than three successive terms. Students will be required to repay the loan within 30 days unless an extension to 90 days is granted by the dean of students.

— The David R. McClay Agricultural Education Award Fund, established by Dr. McClay with an initial principal of \$3,000 to honor and furnish financial aid to full-time agricultural education majors who have satisfactory academic standing and need financial help. Dr. McClay received both his bachelor's and master's degree at Penn State, served as head of Agricultural Education from 1959 to 1974 and was acting dean of the College of Agriculture in 1972-73.

— The John Franklin Shields Memorial Award Fund, honoring an 1892 civil engineering graduate and a member of Alpha Upsilon Chapter of Beta Theta Pi Fraternity, Inc., which established the scholarship with a \$1,500 contribution. Mr. Shields was a University Trustee from 1929-46. The scholarship will aid undergraduate or graduate students who are active members in good standing of the fraternity.

— The Berks Campus Scholarship Fund, established with an initial principal of more than \$6,400, contributed by the former Penn State alumnae organization of Berks County, by friends of the late Augustus S. Wertz '17, and by other University alumni and friends of the Berks Campus. An electrical engineering graduate, Mr. Wertz was honored as a Distinguished Alumnus in 1975.

Scholarships will be given to full-time Berks undergraduates with outstanding academic records and financial need.
— The Karen Leigh Wickland Award in Nursing, honoring the wife of a University alumnus, Edward H. Wickland Jr. '61. The scholarship will consist of an annual or biennial gift of \$500 given to full-time, fourth year nursing students "who best

exemplify those characteristics of Karen Leigh Wickland, R.N., B.S.N., namely compassion, understanding of human suffering, and dedication to maintaining the highest professional standards while delivering patient care in a humanistic manner."

Industrial hygiene option may be offered at Capitol

A new option in industrial hygiene, leading to the bachelor of science degree in mathematical sciences, may be offered soon at the Capitol Campus.

The option, which has received tentative approval from the Provost, is scheduled for fall term 1979. Dr. Robert E. Dunham, vice-president for undergraduate studies, told the Trustees.

Initiation of the program depends on the expected receipt of outside grant funds, Dr. Dunham said. No new money from the University's general fund would be used.

The curriculum would build on the science base afforded students during their first two years of instruction at the University. It would feature, during the final two years, 72 credits in mathematics, biology, industrial hygiene and electives, and four credits of on-the-job training. Graduates would be qualified to hold positions in private industry or with regulatory agencies. Industrial hygienists monitor, evaluate and control environmental factors which may endanger the health or safety of workers.

"This is a rapidly growing field," Dr. Dunham said. "At the present time, only 13 institutions in the United States offer baccalaureate programs in industrial hygiene."

The program would be reviewed at the end of the 1979-80 academic year.

Wilson in 3-2 program

A five-year program that will combine study in the liberal arts and earth and mineral sciences has been established cooperatively between Wilson College in Chambersburg, Pa., and the College of Earth and Mineral Sciences.

Under the new program, students may apply for admission to Wilson College, a school for women. They will complete three years, or the equivalent, of basic liberal arts and pre-science and engineering courses.

Then they will spend two years, or the equivalent, at Penn State, with emphasis in any of the following curricula: ceramic science and engineering, earth sciences, geology, geosciences, metallurgy, meteorology, mineral economics, mining engineering, petroleum and natural gas engineering, and polymer science.

Upon successful completion of the three-two program, a student will receive an appropriate baccalaureate degree from each institution.

Satellite program for hard-to-reach areas

Penn State will be the first institution in the State participating in a satellite program designed to provide higher education services to hard-to-reach rural areas.

Participation in the Appalachian Education Satellite Program (AESP) gives the University access to media materials that can be used for televised credit and non-credit courses, according to Floyd B. Fischer, vice-president for Continuing Education.

The program, begun as a joint venture of the Appalachian Regional Commission and the National Institute of Education, uses a NASA satellite to deliver television instruction. Courses are coordinated through the University of Kentucky.

At present, 45 institutions in the Appalachian region participate in AESP, Mr. Fischer said. In addition to television lessons, the courses include teacher guides, administrative manuals and two-way live communication with faculty.

(Continued on page 4)

Trustees

(Continued from page 3)

Apartheid resolution

A resolution dealing with apartheid in South Africa was adopted by the Board. It read:

WHEREAS, the University's policy in respect to investing in the shares of companies which conduct business activities in the Republic of South Africa has come under Board review, and

WHEREAS, corporations have social responsibilities that transcend traditional corporate objectives, and

WHEREAS, the University must be a powerful agency to further the moral values of justice and equality of opportunity, and

WHEREAS, the University supports the adoption and aggressive implementation of the principles enunciated by the Rev. Leon Sullivan in regard to investing in the shares of companies doing business in South Africa, and

WHEREAS, there is reason to respect the views of the U.S. State Department that American businesses should not withdraw from South Africa, and

WHEREAS, the divestiture of University investments in corporations doing business in South Africa would not further in any effective way desirable and legal changes, and

WHEREAS, the University's fiduciary responsibility would make divestiture impractical in many instances, now

WHEREAS, the University calls upon all American institutions presently maintaining property and doing business in South Africa to operate such businesses in strict accord with the Sullivan Principles of non-segregation and equality of opportunity, and BE IT FURTHER

RESOLVED, That The Pennsylvania State University communicates in writing its position on the objectives of this resolution to every corporation doing business in South Africa in which it is a shareholder, and BE IT FURTHER

RESOLVED, That The Pennsylvania State University send a representative in person or by proxy to the open shareholder meetings of the corporations doing business in South Africa in which it is a shareholder to encourage said corporations to be an effective influence toward implementation of the Sullivan Principles, urging each corporation to take a leadership role.

Staff Vacancies

The following vacancies for positions classified as staff except as staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Nov. 24, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

HEMOPHILIA PROGRAM COORDINATOR, Hershey. Responsible to the Director of the Hershey Hemophilia Program for the coordination of home therapy programs as well as contacts with patients, parents, schools, and public and private agencies. A bachelor's degree in nursing or medical technology, plus one to two years of directly related experience, preferably in a blood bank.

AREA REPRESENTATIVE, CONTINUING EDUCATION, Hershey. Responsible for the actions of development, organization, operation, and administration of Continuing Education programs and services in health and medicine within an assigned geographic district. Bachelor's degree or equivalent, with two to three years of directly related experience in business, industry or education. An interest and experience in the specialized area of health care programming is highly desirable.

ADMINISTRATIVE ASSISTANT TO DEAN—COLLEGE OF EDUCATION, University Park. Serves as the Administrative Assistant to the Dean performing a variety of functions and tasks. These include acting as a college personnel representative, handling routine reports and correspondence, coordinating physical space utilization, maintaining academic and clinical personnel records, facilitating equipment purchases and maintenance, and being responsible for other administrative details as necessary in the Dean's Office. Bachelor's degree in business administration or related field, plus one to two years of directly related experience. Mature judgment and excellent ability to work with people. The person should be well organized and exercise a strong sense of initiative.

SUPPORT CENTRE COUNTY UNITED WAY



Time is running out. Act today. As of Nov. 8, 919 Penn State had donated a total of \$67,605 toward the United Way goal of \$95,000. This year's level of giving, however, continues to remain below last year's; by the same date in 1977, the University community had contributed \$72,000. The leading campaign divisions are: the College of Agriculture, with 157 employees providing \$12,223; offices reporting to the Provost, with 194 employees giving \$12,136; Engineering, with 68 employees offering \$6,920; Liberal Arts, with 61 employees donating \$4,602; and Science, with 58 employees contributing \$4,428.

News in brief

(Continued from page 1)

coordinating the University community's participation in the Ball.

Three categories of tickets are available: Patrons, for those donating \$20; Sponsors, for those donating \$30 or more; and Benefactors, for those contributing \$50 or more.

Black musical to be presented Nov. 30

Movin' On Up — A Journey in Blackness, a musical theatre production highlighting the achievements of black men and women from 17th century Africa to today's inner cities, will be presented by Voices, Inc., at 8 p.m. Thursday, Nov. 30, in Eisenhower Auditorium.

Choreographed movements, group singing, solo work, and brief dramatic sequences are molded into this two-hour theatre piece, one of several programs being sponsored this year by the Black Caucus in conjunction with the Paul Robeson Cultural Center. There is no admission charge.

Voices is the only professional year-round black theatre company in America that deals with education in the schools as an integral part of its programming. It has a national and a regional company, each with ten performers, the majority of whom have academic teaching credentials.

Library spaces available

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the winter term should note that the assignments will be made on a first-come, first-served basis beginning at 7:30 a.m. Monday, Nov. 27, in Room 106 Central Pattee. There are only 33 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

Calendar

Nov. 16-30

Special Events

Thursday, Nov. 16

Final examinations.

Sports: Polish National Basketball Team, exhibition game, 8:10 p.m., Rec Bldg.

Friday, Nov. 17

Final examinations.

Early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields.

Faculty Women's Club Luncheon Lecture.

Representative Helen D. Wise on "Women in the Political World," noon, Nittany Lion Inn.

Saturday, Nov. 18

Final examinations (until noon).

Sunday, Nov. 19

Shaver's Creek Nature Center, "Family Film Festival," 2 p.m., Stone Valley. Residence halls close, 3 p.m.

Monday, Nov. 20

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Nov. 21

Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 23

Thanksgiving Day, offices closed.

Friday, Nov. 24

Sports: football vs. Pittsburgh, 1:30 p.m., Beaver Stadium.

Sunday, Nov. 26

Arrival date for students for winter term. Residence halls open, 10 a.m. Fall term Commencement, 1:30 p.m., Rec Bldg.

Tuesday, Nov. 28

Registration for winter term, 8 a.m.-5 p.m., IM Bldg.

Pattee Library orientation tours.

Undergraduates, 9 and 11 a.m., 1 and 3 p.m., through Dec. 1. Main Lobby Graduate students, 10 a.m. and 2 p.m., through Dec. 1.

Reference Dept., Room E105.

Continuing Education registration, noon-8 p.m., Room 101 Kern.

France: Cinema, Fellini, *Amarcord*, 7 and 9 p.m., Room 112 Kern.

Zeta Omega Omega film, *White Lightning*, 7 and 11 p.m., Room 121 Sparks.

Wednesday, Nov. 29

Registration for winter term, 8 a.m.-5 p.m., IM Bldg.

Continuing Education registration, 9 a.m.-5 p.m., Room 101 Kern.

UDIS orientation seminar on large group instruction, 1:30-4:30 p.m., Room 128 Mitchell. Reservations and information, 865-7675.

France: Cinema, *Amarcord*, 7 and 9 p.m., Room 112 Kern.

Zeta Omega Omega film, *White Lightning*, 7 and 11 p.m., Room 121 Sparks.

Thursday, Nov. 30

Winter term classes begin, 8 a.m.

Prior registration for spring term, Room 112 Shields, through Jan. 3, 1979.

Plan for the '80s Task Force hearings for faculty and staff at University Park, 10 a.m.-noon and 1-3 p.m., Room 101 Kern. Hearings for faculty and staff at western Campuses, 1:30-4 p.m., Room 117 Frable Bldg., McKeesport.

Pattee holiday schedule

The schedule for the University libraries during the coming term break follows.

Saturday, Nov. 18 (last day of exams), 7:45 a.m. to 5 p.m.

Sunday, Nov. 19, closed.

Monday, Nov. 20, through Wednesday, Nov. 22, 7:45 a.m. to 5 p.m.

Thursday, Nov. 23 (Thanksgiving), closed.

Friday, Nov. 24, 7:45 a.m. to 5 p.m.

Saturday, Nov. 25, and Sunday, Nov. 26, closed.

Monday, Nov. 27, through Wednesday, Nov. 29, 7:45 a.m. to 5 p.m.

Thursday, Nov. 30 (first day of classes), regular hours resume.



Campus.

Commons videotape, TV Quarterbacks — Pittsburgh, "noon, Kern Lobby.

Drop/Add, HUB-station open weekdays, 1-4 p.m., through Dec. 11.

Pattee Library orientation tours, 7 p.m.

Undergraduates, Main Lobby; graduate students, Reference Dept., Room E105.

Sports: men's swimming vs. Maryland, 7:30 p.m., Natatorium.

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Black Caucus/Robeson Cultural Center, Voices, Inc., New York City, *Movin' On Up — A Journey in Blackness*, musical theatre, 8 p.m., Eisenhower Auditorium. Free.

Seminars

Tuesday, Nov. 21

Ceramic Science and Engineering, Thomas O. Mason, materials science and engineering, Northwestern University, on "Thermo-electric Investigation of Transition Metal Oxides," 11 a.m., Room 301 Steidle.

Thursday, Nov. 30

Chemistry, H. Hopf, Institut für Organische Chemie, Universität Würzburg, West Germany, on "A Novel Paracyclophane Synthesis and Its Applications," 12:45 p.m., Room 333 Whitmore.

Computation Center, "APL (1 of 6)," suggested for users of research accounts, 7:30 p.m., Room 108 Forum.

Exhibits

HUB Gallery: Wendy Smeisinger, photographs; HUB Craft Center exhibit, both through Nov. 30.

Kern Commons Gallery: Sharon Teaman, jewelry; Marsha Woods, stained glass, both through Nov. 18. Linda Connor, photographs; Jo Stripling, acrylic paintings, both through Nov. 25.

Museum of Art: open daily except Monday, noon-5 p.m. European paintings, drawings and sculpture from the permanent collection. Sculpture from the permanent collection.

Twentieth century American paintings from the permanent collection, opens Nov. 26.

Museum of Art HUB Gallery: open Monday-Friday, 8 a.m.-5 p.m., "America's Architectural Heritage," photographs of American structures from 12th century Indian buildings to post-World War II architecture, through Nov. 19.

Terrace Room schedule

Saturday, Nov. 18, will be the last full day of service at the Terrace Room before the Thanksgiving holidays. The Terrace Room will be closed on Sunday, Nov. 19, and will be open for lunch only on Nov. 20, 21 and 22. It will be closed on Thanksgiving Day.

The Terrace Room will re-open on Friday, Nov. 24, with both lunch and dinner being served at the regular hours. Lunch is served from 11:30 a.m. to 1:15 p.m. and dinner from 4:45 to 6:45 p.m.

No INTERCOM next week

INTERCOM will not be published Thanksgiving week. The next issue, which will appear Friday, Dec. 1, will contain the winter term calendar.

Penn State Intercom



Workman needed a boost to reach Old Main's gutters for their fall cleaning.

Dental plan to go into effect Jan. 1; cards mailed

As previously announced, effective Jan. 1, 1979, dental coverage will be provided at no cost to all regular full-time faculty and staff members of the University. The claims will be administered by The Prudential Insurance Company.

Enrollment cards have been mailed to all employees and are to be completed and returned to the Employee Benefits Division (Room 133 Willard Building) no later than December 15. Employees must indicate whether or not they wish to cover eligible dependents by checking the proper block on the enrollment card. Should dependent coverage be elected, the cost to the employee will be \$4.33 for those paid monthly and \$2 per pay period for those paid biweekly.

A few provisions of the dental plan are outlined below.

1. The plan provides for an annual deductible of \$25 for each individual during the calendar year. This deductible must be satisfied before benefits can be paid. However, after two members of an insured family have satisfied their deductibles, the remaining family members will be

considered as having satisfied their deductibles for the balance of the calendar year.

2. Procedures may be reimbursed at either 80 percent or 60 percent after satisfaction of the deductible. Those procedures reimbursable at 80 percent include routine six-month check-ups, cleaning, X-rays, fillings, extractions, root canal therapy, periodontal treatment, drugs and oral surgery. Those procedures reimbursable at 60 percent include dentures, bridgework, inlays, crowns, gold fillings and orthodontic treatment.
3. There is a maximum dental benefit of \$500 which applies separately to each covered individual for services received in any one calendar year. Additionally, there is a \$500 lifetime orthodontia maximum.

A brochure describing the plan in detail has been mailed to each employee, along with a claim form and an envelope for submission of claims directly to the insurance company. Dental claims, unlike hospital/surgical/major medical claims are

filed directly with the insurance company, rather than with the Employee Benefits Division for transmittal to the insurance company.

A few specific dental procedures, such as treatment as a result of accidental injury to sound natural teeth and removal of impacted teeth, remain covered under the hospital/surgical/major medical program. Claims for treatment of these conditions should continue to be submitted to the Employee Benefits Division for consideration under UNICARE. After the claim has been processed under UNICARE, it should then be submitted to The Prudential Insurance Company for consideration under the dental program as it is entirely possible that both plans will provide some payment.

For a dental treatment plan involving charges of more than \$300, a pre-treatment estimate must be completed by the dentist and submitted to the insurance company in advance of the actual treatment. The insurance company will then review the treatment plan and provide you and your dentist with an estimate of benefits which will be payable upon completion of the treatment.

News in Brief

Overnight parking prohibited until March 15

Winter parking regulations go into effect today (Dec. 1) and continue until March 15, 1979. During this period, most faculty/staff parking areas will have signs posted at the entrance prohibiting parking from 2:30 a.m. to 6 a.m. The prohibition against overnight parking is intended to keep parking lots free of vehicles so that accumulated snow can be cleared.

Last year, winter parking regulations were not put in effect in an attempt to reduce snow removal costs. The results were adverse because vehicles parked

overnight hindered efforts to move unusually heavy snow accumulations.

This year, regulations prohibiting overnight parking will be enforced to insure that vehicles are removed from parking lots. The regulations will be enforced whether or not snow is on the ground. Unusual or emergency situations should be referred to the appropriate parking chairperson. After 5 p.m. and on weekends, calls should be referred to University Police Services, 863-1111.

ILS commissioned

The Instrument Landing System at the University Park Airport was commissioned Nov. 16 after having been flight tested by the Federal Aviation

Authority.

The ILS gives a pilot both directional capability and the glide slope approach path, according to Airport Manager Charles H. Shilke.

What it means for passengers, Mr. Shilke notes, is that a greater percentage of flights into University Park will be completed. Minimum requirements now call for a ceiling of no less than 250 feet and one-half mile visibility.

Mande authority to speak

Dr. Charles Bird, the leading authority in the United States on the West African Mande peoples' language and culture, will present two talks at the University in

(Continued on page 6)

Scholars' plan, reports before Senate



The Dec. 5 Senate agenda will be highlighted by informational reports from six standing committees — Admissions, Records, and Scheduling; Curricular Affairs; External Affairs; Libraries; Planning and Development; and Undergraduate Instruction.

At the meeting, which will begin at 1:10 p.m. in Room 112 Kern Building, senators will also vote on a proposal to establish a University Scholars Program. (The text of the proposal and a full report on the Senate's discussion of it appeared last month in INTERCOM.)

A report on the University's Special Admissions Programs will be presented by the Subcommittee on Special Admissions. There are six such programs: Educational Opportunity Programs; Veterans — Developmental Year; Speech Pathology and Audiology; Foreign Students TOEFL Scores; Arts and Architecture Talent Program; and Exceptional High School Students.

According to the Subcommittee, the information on the program for high school seniors is most complete, the result of revised guidelines approved by the Senate last year. During the 1978 admissions year, 261 students participated in the program. The report states:

"...1) that these programs were selective (the average high school GPA was between 3.0 and 3.5), 2) that local Penn State faculty remain actively involved in monitoring the effectiveness of the programs, and 3) that the overall performance since the current monitoring system was instituted has improved in spite of the fact that 7 percent of the 77-78 groups earned GPAs of less than 2.0. Students who do poorly are generally counseled out of the program."

Partial information about the colleges and universities attended by 1977-78 high school program participants shows that 47 enrolled in the Penn State system.

The report on the EOP program notes that from 1976-77 to 1977-78 enrollments declined from 335 to 318. The number of students earning GPAs below 2.0 declined from 97 to 75; the attrition rate dropped from 36 percent to 27 percent, and the overall GPA increased from 2.09 to 2.17.

The Committee on Admissions, Records, and Scheduling approved a proposal for admitting up to a maximum of 357 economically and educationally disadvantaged students to the EOP at the Commonwealth Campuses, Behrend College and University Park during the 1979-80 academic year.

Eighty-four students enrolled in the Veterans Student Program (131 applied and 103 were offered admission). Students in this program maintained a 2.25 mean GPA. Sixty-two veterans also enrolled under a Special Admissions Policy permitting veterans who were dropped for poor scholarship prior to military service to enroll as provisional students. Of this group, during the 1977-78 academic year, five were admitted to degree candidate status, one was dropped, and eight did not continue. Of the 48 remaining, 39 earned GPAs above 2.00.

The Speech Pathology and Audiology Program enrolled no students during the 1978 admissions year; the Foreign

(Continued on page 6)

Penn Staters

John C. Villume has been named acting director of the Worthington Scranton Campus, stepping in for former director Edward K. Kraybill, who has accepted a position teaching and working on special projects in the College of Engineering at University Park.

An associate professor of business administration, Prof. Villume joined the Worthington Scranton faculty in 1970. He had previously served as president of International Correspondence Schools, a division of International Textbook Co. He also taught at the University of Scranton and Gettysburg College.

Prof. Villume holds an A.B. from Gettysburg and an M.A. from Duke University. He was awarded an honorary doctor of laws degree by the University of Scranton in 1965. The author of numerous articles in professional journals, he wrote the text, *Personnel Organization*.

Stephen Porter, associate professor of art, is having a one-man exhibition of sculpture at the Betty Parsons Gallery in New York City. The show opened Nov. 21 and will run through Dec. 9. It is Mr. Porter's sixth one-man show at the Betty Parsons Gallery and consists of 12 pieces constructed from metals and hardwoods. Three of the pieces, made of weathering steel and stainless steel, are outdoor sculptures. The remaining nine pieces are constructed from wood and polished aluminum.

Dr. William L. Harkness, professor and head of the Department of Statistics, has been elected a Fellow of the Institute of Mathematical Statistics. He was recognized for his contributions to the development, dissemination, and application of mathematical statistics. Dr. Harkness serves as program secretary and as a member of the executive committee of the Institute.

Dr. Reginald A. Deering, professor of biophysics, presented talks at the University of California at San Diego and at Stanford University earlier this month. He discussed "Genetics of DNA Repair in *Dicotylestium discoideum*."

Dr. Jeffrey A. Kurland, assistant professor of anthropology, presented a paper on "Structure and Function in Matrilineal Societies: A Sociobiological Reading" at a conference on "Kin Selection and Kinship Theory" sponsored by the Social Science Research Council and convened at the Maison des Sciences de l'Homme in Paris, France, Oct. 27-29.

Dr. Gerald M. Phillips, professor of speech communication, lectured recently at James Madison University on the topic of interpersonal relationships. He also presented three lectures at the University of North Carolina on interpersonal communication before going to the University of Richmond to participate in a debate on humanism vs. the scientific method.

Dr. E-tu Zen Sun, professor of Chinese history, gave an invited lecture at Mt. Holyoke College. Sponsored by the Five College Committee on Asian Studies (consisting of faculty members from Mt. Holyoke, Amherst, Smith, and Hampshire Colleges, and the University of Massachusetts at Amherst), the lecture was entitled "When China Faced Three Ways." Dr. Sun also conducted a seminar under the same auspices. The seminar met at Amherst College on Nov. 10 and had as its topic, "The Maverick Landlord: A Critique of Peng P'ai and the Peasant Movement in Kwangtung 1922-1926."

Dr. Nuri Mohsenin, professor of agricultural engineering, was the principal lecturer for a short course in Food Physics held at the University of Wisconsin Nov. 8 and 9. The course was attended by 50 participants, representing most of the major food industries in the United States. During December, Dr. Mohsenin will be a



Prof. Bloom

Three faculty members in the College of Agriculture have received their 25-year chairs from the University. They are **James R. Bloom**, professor of plant pathology; **Richard W. Cleveland**, professor of agronomy; and **Dwight E. Younk**, professor of animal science extension.

A 1950 graduate of the University with a B.S. in botany, Dr. Bloom earned his Ph.D. in plant pathology at the University of Wisconsin. He returned to Penn State in 1953 as a member of the Department of Botany, where he taught and conducted research on diseases of vegetable crops and tobacco.

His research emphasis shifted in 1956 to nematodes as plant pathogens — his recommendations for nematode control on turf have been used throughout the United States. Working with a team of virologists, he helped solve the problem of stem-putting, a virus disease spread by nematodes which threatened to eliminate the stone fruit nursery business in

guest of Israel's Department of Agriculture, where he will recommend programs for teaching and research on physical properties of foods and other agricultural materials.

Dr. David L. Pearson, assistant professor of biology, presented an invited seminar at the University of Pennsylvania in early November. He discussed "Convergence and Divergence in an Assemblage of Arizona Tiger Beetles."

Twenty-four works by sculptor **John Cook**, professor of art, were exhibited last month in the Haas Gallery of Bloomsburg State College. Mr. Cook also lectured on "19th and 20th Century European Figurative Sculpture" at the College.

Dr. Gerald L. Jubb Jr., associate professor of entomology, was elected to a three-year term as secretary-treasurer of the Eastern Branch, Entomological Society of America at the group's recent annual meeting in New York City.

Dr. Hubert C. Smith, assistant professor of aerospace engineering, has been appointed an accident prevention counselor by the Federal Aviation Administration (FAA). In this role, he will assist the FAA to administer their flight safety program.

Charles H. Ness, assistant dean of the University Libraries, was presented with the Pennsylvania Library Association's Certificate of Merit at the Association's annual conference in Lancaster.

Dr. Richard Betts was promoted to assistant professor of English at Delaware County, effective Nov. 1. He received his doctorate at the University of Pennsylvania in October.

Dr. James D. South II, director of Student Affairs at Capitol Campus, is the newly elected president of the Pennsylvania Association of Student Personnel Administrators.

Retirement

Nathan M. Foote, assistant professor of physics, has retired from the faculty of



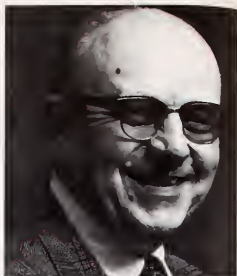
Prof. Cleveland

Pennsylvania. In 1971, Dr. Bloom served as a consultant to the AID program in India. That same year, he was acting head of the Department of Plant Pathology, a post he again held in 1976. A charter member of the Society of Nematologists, Dr. Bloom served as president of the Northeastern Division of the American Phytopathological Society.

Dr. Cleveland holds B.S. and Ph.D. degrees from the University of California at Davis.

His research interests have centered on the breeding of forage legumes, principally red clover and alfalfa. He has also worked on genetic and cytogenetic studies of these crops. In cooperation with other researchers, he helped develop an alfalfa variety for farm use in 1973. He is currently interested in breeding red clover for resistance to diseases.

Dr. Cleveland teaches an introductory course in field crop breeding and graduate



Prof. Younk

courses in genetic analysis and cytogenetics. He is currently serving as associate editor of *Crop Science*, the Journal of the American Society of Agronomy.

Prof. Younk earned his B.S. from Penn State in 1951 and his M.S. in 1953, in animal husbandry. He began working with Extension as a livestock specialist and in the late '50s was assigned primary responsibility for the swine program.

He has coordinated the development of a Swine Management Handbook and developed clinics for Pennsylvania swine producers. He was also instrumental in the formation of an association of Pennsylvania swine producers, who are now part of the National Pork Council. Much of his recent effort has been devoted to assisting producers to develop practical and efficient pork production units.

Mr. Younk is active in the University Faculty Senate, serving as chairman of the Continuing Education Committee.

The Behrend College. A visiting assistant professor of physics at University Park in 1960, he has been at Behrend since 1964.

A graduate of DePauw University with a B.A. in chemistry and mathematics, Mr. Foote did his master's work in physical chemistry at Purdue University. Before joining the faculty at Behrend, Mr. Foote was assistant professor of physics and department head at Baldwin-Wallace College. He was also employed by the U.S. Food and Drug Administration, RCA, Colgate-Palmolive, B.F. Goodrich, and the State University of New York, Geneseo.

Bookshelf

Henry W. Johnstone Jr., professor of philosophy, is the author of *Validity and Rhetoric in Philosophical Argument* (Dialogue Press of Man and World, 1978). This book contains a selection from the author's papers on philosophical argument which have appeared during the last 25 years, together with the author's own account of the sources of his views and the reasons for the changes they have undergone.

Dr. Martha T. Halsey, associate professor of Spanish, is the editor of a critical edition of one of the major tragedies of Spain's most distinguished living playwright, Antonio Buero Vallejo.

The drama, *Hoy es fiesta* (Today's a Holiday), depicts the lost dreams and illusions of a group of Madrid tenement dwellers. The tragedy is an implacably realistic and radically critical vision of the dispossessed social classes in post-civil-war Spain. Although it starts out as a portrayal of a life in a working-class Spanish neighborhood, the tragedy soon evolves into a depiction of the human condition, which Buero sees as a constant interplay between faith and doubt with the continuing accompaniment of hope.

Dr. Halsey's book is the first in a new series of editions which will make available the most significant dramas of contemporary Spain. The plays are to be published by Ediciones Almar of Salamanca, Spain.

During the academic year 1977-1978, the Philosophy Department held a continuing Colloquium on the topic of

"Categories." The 11 papers presented during the year by department members, plus a 12th by Prof. Wilfrid Sellars of the University of Pittsburgh, have now been brought together in a volume entitled *Categories: A Colloquium*, edited by Henry W. Johnstone, Jr. (Copies of this volume are available from the Philosophy Department, Room 246 Sparks Building.) The contributing department members are Carl G. Vaught, Thomas M. Seeborn, Joseph J. Kockelmans, Glen Helman, Robert G. Price, Prof. Johnstone, Joseph C. Flay, Carl R. Hausman, John M. Anderson, Donald P. Verene and Albert Tsugawa.

Obituary

Evan P. Fowler, 76, retired Montour County agricultural agent on the Cooperative Extension Service staff, died Nov. 20.

Mr. Fowler, the first county agricultural agent in Montour County, retired in 1964 after serving 35 years.

A native of Greentown, Pike County, he received a B.S. from Penn State in 1929, majoring in animal husbandry.

In Montour County, he organized the county for Extension work and was in charge of the program until his retirement. His 1939 4-H swine judging team won the State championship.

In 1960 Mr. Fowler was honored with a Distinguished Service Award by the National Association of County Agricultural Agents.

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University Park Calendar

WINTER TERM 1978-79

Friday, Dec. 1
Preregistration for Spring Term (1979), Room 112 Shields, through Jan. 3
University Choirs auditions for faculty, staff and their spouses to sing the Verdi *Requiem*. Information and appointments, 865-6548.
Registration for pre-holiday craft classes, through Dec. 2, HUB Craft Center, Room 312 HUB.
ARHS Book Sale, 9 a.m.-5 p.m., HUB Ballroom.
Sports: wrestling, Penn State Invitational: men's swimming and diving, Penn State Relays, 8 p.m.
France-Cinema, Truffaut, *Small Change*, 7 and 9 p.m., Room 112 Kern.
HUB Craft Center Open House, demonstrations and refreshments, 7:30 p.m., Room 312 HUB.
Saturday, Dec. 2
Sports: wrestling, Penn State Invitational: men's swimming and diving, Penn State Relays, 9 a.m., finals, 3:30 p.m.
Free University registration, 10 a.m.-4 p.m., St. Andrews Church, State College.
Penn State Symphony Orchestra, Young Peoples Concert, 10 a.m., Eisenhower Auditorium Free.
Commonsplace Theatre, *The Lion in Winter*, 7 and 9:30 p.m., Room 112 Kern.
UCC, Arlo Guthrie, 8 p.m., Eisenhower Auditorium.
Sunday, Dec. 3
University Chapel Service, 11 a.m., Eisenhower Chapel, Joseph Gerg, O.S.B., Catholic Center.
Free University registration, 10 a.m.-4 p.m., Walnut Bldg.
Artists Series, *The Wiz*, 3 p.m. and 8:30 p.m., Eisenhower Auditorium.
Sports: men's basketball, vs. Vermont, 2:10 p.m.
Commonsplace Theatre, *The Lion in Winter*, 7 and 9:30 p.m., Room 112 Kern.

Week of Dec. 4

Monday, Dec. 4
Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Richard Morrill, executive assistant to the provost, on "Values and Higher Learning - Further Explorations."
France-Cinema, *Small Change*, 7 and 9 p.m., Room 112 Kern.
Tuesday, Dec. 5
Fixed date for meetings involving Commonwealth Campus faculty.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Charles Bird, Linguistics, Indiana University, on "Poetry and Music in West Africa."
University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.
Shakespeare film, *Oliver, Henry V*, 6:30 p.m., Room 101 Chambers. Free.
Sports: wrestling, Athletics in Action, 7:30 p.m. Gallery Talk, 10:30 a.m., Museum of Art. Ross Edman, history of architecture and art, University of Illinois, Chicago Circle, on "Miniature Mania."

Wednesday, Dec. 6
Last date for registering with foreign language departments (other than French and Spanish) for written language examinations. Campus Colleagues, 4 p.m., Penn State Room, Nittany Lion Inn. Rosemary Schraer, assistant provost, on "Some Thoughts on University Work."
Shakespeare film, *Oliver, Henry V*, 6:30 p.m., Room 101 Chambers. Free.
African Studies Forum, 7:30 p.m., Room 101 Kern. Charles Bird, Indiana University, on "The Mande Hero."
Christopher Callahan, French horn, assisted by Ovedra Page, flute and Philip Detra, piano, 8:30 p.m., Music Bldg., Rittman Hall.
Thursday, Dec. 7
American Assoc. of University Presses Book Show, 9 a.m.-5 p.m., Kern Lobby.

German Department/IAHS, Eberhard Panitz, East German novelist and playwright for television and radio, reads from his own works (in German) with discussion (in German and English) afterwards, 8 p.m., Room 124 Sparks.

Friday, Dec. 8
American Assoc. of University Presses Book Show, 9 a.m.-5 p.m., Kern Lobby.
Penn State Singers, Menotti, *Amahl and the Night Visitors*, 8:30 p.m., Eisenhower Auditorium.
Department of Astronomy/Astronomy Club, Sky Watch, 7:30-10 p.m., roof of Davey Lab.
Sports: men's and women's gymnastics, Penn State Invitational.
France-Cinema, Tacchella, *Cousin, Cousine*, 7 and 9 p.m., Room 112 Kern.

Saturday, Dec. 9
Penn State Singers, *Amahl and the Night Visitors*, 2 p.m., Eisenhower Auditorium.
Sports: men's and women's gymnastics, Penn State Invitational: men's and women's bowling, vs. Temple, 1 p.m.; men's swimming and diving, vs. Lehigh, 2 p.m.
Commonsplace Theatre, *Everything You Always Wanted to Know About Sex*, 7 and 9 p.m., Room 112 Kern.

Sunday, Dec. 10
University Chapel Service, 11 a.m., Eisenhower Chapel, Albert Myers, Pa. Council of Churches.
Fourth Annual Messiah Sing-In, 3:30 p.m., Eisenhower Auditorium.
Tree Lighting Ceremony and the Penn State Clee Club 6 p.m., entrance to Mall, College and Allen Sts.
International Fair, noon-6 p.m., HUB Ballroom.
Sports: men's bowling, vs. Villanova, 1 p.m.
Commonsplace Theatre, *Everything You Always Wanted to Know About Sex*, 7 and 9 p.m., Room 112 Kern.

Week of Dec. 11

Monday, Dec. 11
Late registration deadline.
Last date for March graduates to activate diploma cards in Registrar's Office and pay these fees at Bursar's Office.
Holiday Festival V Concert, Phi Mu Alpha Marimba Band, noon, Kern Lobby.
Science, Technology and Health/Two Cultures Dialogue, noon, Room 101 Kern. Paul A. Woolley, Jr., health planning, and Jessie Igou, nursing, on "Appropriate Health Care Technologies for the Aging."
Holiday Festival V film, "330,000,000 Gods," from TV's *The Long Search*, 7:30 p.m., Eisenhower Chapel.
Alard String Quartet, 8:30 p.m., Music Bldg., Recital Hall.
France-Cinema, *Cousin, Cousine*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Dec. 12
Holiday Festival V International Crafts Workshop, 11 a.m., Kern Lobby.
Trim the Tree Concert, Penn State Hilo's, noon, HUB Main Lounge.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Paul B. Harvey, history, will speak.
Christmas Crafts Demonstrations, 12:30-2 p.m., HUB Main Lounge.
History Colloquium, 2:30 p.m., Room 124 Sparks. Jeffrey Lerner, Columbia University, on "World War I and British Psychology: The Treatment of Shell Shock."
Shakespeare film, *Oliver, Richard III*, 6:30 p.m., Room 101 Chambers. Free.
Comp. Lit. Film Series, Satyajit Ray, *Panther Panchali*, 7 and 9 p.m., Room 112 Kern.
International Students Reception, 7 p.m., Room 111 Kern.
University Readers, Holiday Readings, 7:30 p.m., HUB Reading Room.
Holiday Festival V film, "There's No God but God," from TV's *The Long Search*, 7:30 p.m., Eisenhower Chapel.
Sports: wrestling, vs. Cal Poly, 7:30 p.m.

Wednesday, Dec. 13
Shakespeare film, *Oliver, Richard III*, 6:30 p.m., Room 101 Chambers. Free.
Holiday Festival V Concert, German Band, noon, Kern Lobby.
Sigma Delta Epsilon, Graduate Women in Science, luncheon meeting, noon, Room 101 A Kern.
Holiday Festival V film, "Land of the Disappearing Buddha," from TV's *The Long Search*, 7:30 p.m., Eisenhower Chapel.
Artists Series, The Waverly Consort, a Christmas program, 8:30 p.m., Schwab.
Sports: men's basketball, vs. St. Francis (Pa.), 8:10 p.m.

Thursday, Dec. 14
Holiday Festival V Concert, Re-Creation Xmas Concert, noon, Kern Lobby.
Holiday Candlelight Dinner, 5-7 p.m., HUB Terrace Room.
France-Cinema, *Allegro non troppo*, 7 and 9 p.m., Room 112 Kern.

Friday, Dec. 15
Holiday Festival V Concert, Phi Mu Alpha Xmas Choral, noon, Kern Lobby.
Holiday Candlelight Dinner, 5-7 p.m., HUB Terrace Room.
International Night, entertainment, 7 p.m., HUB Ballroom.
Sports: women's basketball, Lady Lion Classic.
France-Cinema, *Allegro non troppo*, 7 and 9 p.m., Room 112 Kern.

Saturday, Dec. 16
Holiday Festival V, Children's Christmas Party, 12:30 p.m., Walnut Assembly Room.
Graduate Commons Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.
HUB Arts and Crafts Sale, 1-9 p.m., HUB Ballroom.
Sports: women's basketball, Lady Lion Classic; swimming and diving, vs. Syracuse, women, 1 p.m.; men's, 4 p.m.; men's fencing, vs. Army, 1 p.m.; men's basketball, vs. Syracuse, 7:10 p.m.
Commonsplace Theatre, *Camelot*, 7 and 9:45 p.m., Room 112 Kern.

Sunday, Dec. 17
University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Christmas Concert, All-Faith Choir.
HUB Arts and Crafts Sale, noon-5 p.m., HUB Ballroom.
Sports: wrestling, vs. Florida, 2 p.m.
Penn State Brass Choral and Clee Club Christmas Concert, 3 p.m., Schwab.
Kern Commons Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.
Commonsplace Theatre, *Camelot*, 7 and 9:45 p.m., Room 112 Kern.

Week of Dec. 18

Monday, Dec. 18
Pass/Fail.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Tuesday, Dec. 19
Pass/Fail.
Winter Term holiday recess begins, 9:55 p.m.
Sports: men's basketball, vs. Colgate, 8:10 p.m.
Wednesday, Dec. 20
Residence Halls close for holidays, 3 p.m.

Week of Jan. 1

Monday, Jan. 1
Holiday, University offices closed.
Tuesday, Jan. 2
Residence Halls open, 10 a.m.
Wednesday, Jan. 3
Winter Term classes resume, 8 a.m.
Drop deadline.
Preregistration deadline for Spring Term.
Course repeat deadline.
Pass/Fail.
Sports: women's basketball, vs. Illinois State, 7 p.m.



Thursday, Jan. 4
Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.
Sports: men's basketball, vs. Ursinus, 8:10 p.m.

Friday, Jan. 5
Deadline for applying for Graduate School Tuition Grants-in-Aid for Spring Term 1979.
Sports: women's basketball, Penn State Invitational.
Commonsplace Theatre, *Cabaret*, 7 and 9:15 p.m., Room 112 Kern.

Saturday, Jan. 6
Last date for March graduates to deliver doctoral theses to committees.
Artists Series, Blackstone Magic Show, 8:30 p.m., Eisenhower Auditorium.
Sports: women's basketball, Penn State Invitational: men's and women's gymnastics, vs. Springfield, 7:30 p.m.
France-Cinema, *International Animation Festival*, 7 and 9 p.m., Room 112 Kern.

Sunday, Jan. 7
University Chapel Service, 11 a.m., Eisenhower Chapel, Donald M. Cridler, rural sociology.
Commonsplace Theatre, *Cabaret*, 7 and 9:15 p.m., Room 112 Kern.

Week of Jan. 8

Monday, Jan. 8
France-Cinema, *International Animation Festival*, 7 and 9 p.m., Room 112 Kern.
Tuesday, Jan. 9
University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.
Fixed date for meetings involving Commonwealth Campus faculty.
Shakespeare film, Evans-Anderson, *Macbeth*, 6:30 p.m., Room 101 Chambers. Free.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Stanley Weintraub, English, will speak.
Comp. Lit. Film Series, Peter Bogdanovich, *Daisy Miller*, 7 and 9 p.m., Room 112 Kern.
Sports: women's basketball, vs. Rhode Island, 7 p.m.; wrestling, vs. Temple, 7:30 p.m.

Wednesday, Jan. 10
Shakespeare film, Orson Welles, *Macbeth*, 6:30 p.m., Room 101 Chambers. Free.
Sigma Delta Epsilon luncheon meeting, noon, Room 101 A Kern. Nancy M. Daugherty, assoc. health physicist, on "How Do the Risks Compare?"

Friday, Jan. 12
Artists Series, Eugenia Zukerman, flute and Carlos Bonell, guitar, 8:30 p.m., Schwab Commonsplace Theatre. *Return of the Pink Panther*, 7 and 9 p.m., Room 112 Kern.

Saturday, Jan. 13
Last date for final oral doctoral examinations for March graduates.
Last date for March graduates to deliver masters theses or papers to adviser.

Sports: men's volleyball, Japanese Collegiate: men's fencing, vs. Jersey City State, 11 a.m., vs. Johns Hopkins, 2 p.m.; men's and women's gymnastics, vs. Pittsburgh, 7:30 p.m.

France-Cinema, *Jonah Will Be 25 in the Year 2000*, 7 and 9 p.m., Room 112 Kern.

Sunday, Jan. 14
University Chapel Service, 11 a.m., Eisenhower Chapel, Virginus Thornton, Black Studies Program.

ARHS Winter Festival Concert, 8 p.m., HUB Ballroom.

France-Cinema, *Jonah Will Be 25 in the Year 2000*, 7 and 9 p.m., Room 112 Kern.

Week of Jan. 15

Monday, Jan. 15
Deadline for IAHS faculty research grants for Summer and Fall Terms (1979), Ihseng Cottage.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Jan. 16
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Linda Iwanis, slavic languages, will speak on hagiography in Dostoevsky.

Comp. Lit. Film Series, Pier Paolo Pasolini, *Teorema*, 7 and 9 p.m., Room 112 Kern.

History Colloquium, 2:30 p.m., Room 101 Kern.

Barbara T. Norton, graduate student in history, on "Russian Freemasonry" and the February Revolution of 1917.

Wednesday, Jan. 17
Artists Series film, Ingmar Bergman, 1963, *The Silence*, 8 p.m., Schwab.

Sports: men's swimming and diving, vs. Villanova, 4 p.m.; men's basketball, vs. West Virginia, 8:10 p.m.

Thursday, Jan. 18
University Theatre, Paul Zindel, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Friday, Jan. 19
Board of Trustees meeting, Keller Bldg., Commonsplace Theatre, *The Hobbit*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Jan. 20
Board of Trustees meeting, Keller Bldg.

Faculty Women's Club, Mid-Winter Coffee and Reception for wives of the Board of Trustees, 9:30-11:30 a.m., Nittany Lion Inn.

University Readers, Kurt Vonnegut, *Welcome to the Monkey House*, a chamber theatre production, 8 p.m., Room 102 Kern.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Artists Series, Albert plays, *Fam and Yam* (1959), *The Sandbox* (1959), and *The American Dream* (1960), 8:30 p.m., Schwab.

Sports: wrestling, vs. Clation, 2 p.m.; men's and women's gymnastics, vs. Temple, 7:30 p.m.

France-Cinema, *The Sudden Loneliness of Conrad Steiner*, 7 and 9 p.m., Room 112 Kern.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 21
University Chapel Service, 11 a.m., Eisenhower Chapel, Marri Polite, Unitarian Fellowship, State College.

University Readers, *Welcome to the Monkey House*, 8 p.m., Room 102 Kern.

Artists Series, Albert plays, *Listening* (1975) and *Counting the Ways* (1976), 8:30 p.m., Schwab.

Commonsplace Theatre, *The Hobbit*, 7 and 9 p.m., Room 112 Kern.

Week of Jan. 22

Monday, Jan. 22
Science, Technology and Health/Two Cultures Dialogue, noon, Room 101 Kern. K. Danner Clouser, humanities, Hershey, on "Ethical Issues in Modern Medicine and Surgery." University Readers, *Welcome to the Monkey House*, 8 p.m., Room 102 Kern.

France-Cinema, *The Sudden Loneliness of Conrad Steiner*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 23
Shakespeare film, Olivier, *Hamlet*, 6:30 p.m., Room 101 Chambers. Free.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Dawson Kiang, art history, will speak.

Comp. Lit. Film Series, Alain Resnais, *Je t'aime, Je t'aime*, 7 and 9 p.m., Room 112 Kern.

English Colloquium, 8 p.m., Room 101 Kern.

Cerard J. Gross, English, "These Shallow Fools: Comic Characters and Their Influence on Shakespeare's Comic Endings."

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Artists Series film, Walter Eelsenstein, 1955, *Fidelio*, 8 p.m., Schwab.

Sports: wrestling, vs. Wilkes, 7:30 p.m.

Wednesday, Jan. 24
Shakespeare film, Olivier, *Hamlet*, 6:30 p.m., Room 101 Chambers. Free.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Sports: men's basketball, vs. Duquesne, 8:10 p.m.

Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 25
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Friday, Jan. 26
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Artists Series, Vinette Carroll, *Your Arms Too Short to Box with God*, gospel show, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 27
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Sports: men's volleyball, Nittany Lion Invitational: coed riflery, NRA Sectionals: men's fencing, vs. Buffalo, 9 a.m.; vs. Pennsylvania, 1 p.m.; women's fencing, vs. Pennsylvania and Carnegie-Mellon, 1 p.m.; men's swimming and diving, vs. Edinboro, 2 p.m.

Sunday, Jan. 28
University Chapel Service, 11 a.m., Eisenhower Chapel, Donald Davis, United Ministries Exhibition on the Black Experience, through Feb. 24, HUB, Robeson Cultural Center, Pattee Library.

Sports: coed riflery, NRA Sectionals.

Week of Jan. 29

Monday, Jan. 29
First day for signing Spring Term NDLS and University Long Term Loans, Room 108 Shields.

Last date for March graduates to deliver theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for March graduates.

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Jan. 30
Shakespeare film, Williamson, *Hamlet*, 6:30 p.m., Room 101 Chambers. Free.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Joseph Cotto, classics, on "Socrates's Entrance and Exit: A Platonic Variation on an Aristophanic Theme."

Wednesday, Jan. 31
Shakespeare film, Williamson, *Hamlet*, 6:30 p.m., Room 101 Chambers. Free.

Artists Series, Pittsburgh Chamber Orchestra, Donald Johanos, conductor, 8:30 p.m., Schwab.

Sports: men's basketball, vs. George Washington, 8:10 p.m.

Friday, Feb. 2
Artists Series, Pittsburgh Symphony Orchestra, Leonard Slatkin, conductor, with Nathaniel Rosen, 'cellist, 8:30 p.m., Eisenhower Auditorium.

Deadline for applying for 1979-80 Graduate School Program Fellowships.

Sports: men's gymnastics, vs. Indiana State, 8 p.m.

Saturday, Feb. 3
Artists Series, Pittsburgh Symphony Orchestra, Donald Johanos, conductor, concert for young audiences, 10:30 a.m., Eisenhower Auditorium; Pittsburgh Symphony Orchestra, Leonard Slatkin, conductor, with Nathaniel Rosen, 'cellist, 8:30 p.m., Eisenhower Auditorium.

Sports: women's fencing, vs. James Madison, Temple, and California (Pa.), 10 a.m.; women's gymnastics, vs. Indiana State and Massachusetts, 8 p.m.

Sunday, Feb. 4
University Chapel Service, 11 a.m., Eisenhower Chapel, Joseph Faulkner, sociology.

Sports: men's basketball, vs. Villanova, 2:10 p.m.

Week of Feb. 5

Monday, Feb. 5
France-Cinema, *Kings of the Road*, 7 and 10 p.m., Room 112 Kern.

Sports: women's basketball, vs. Maryland, 7 p.m.

Tuesday, Feb. 6
University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.

Fixed date for meetings involving Commonwealth Campus faculty.

Shakespeare film, Scofield, *King Lear*, 6:30 p.m., Room 101 Chambers. Free.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Harrison Meserole, English, will speak.

Comp. Lit. Film Series, Joseph Losey, *A Doll's House*, 7 and 9 p.m., Room 112 Kern.

Red Cross Bloodmobile, 9 a.m.-4 p.m., HUB Ballroom.

History Colloquium, 2:30 p.m., Room 101 Kern.

Robert K. Murray, history, on "Floyd Collins and America's Greatest Rescue Story," (illustrated).

English Colloquium, 8 p.m., Room 101 Kern.

Leon Del Fattore, graduate student in English, on "Jungian Archetypal Criticism: A New Approach."

Artists Series film, Joseph L. Mankiewicz, 1955, *Gypsy* and *Dolls*, 8 p.m., Schwab.

Sports: women's swimming and diving, vs. Maryland, 3:30 p.m.

Wednesday, Feb. 7
Late drop deadline.

Last day for signing Winter Term NDLS and University Long Term Loans, Room 108 Shields.

Shakespeare film, Scofield, *King Lear*, 6:30 p.m., Room 101 Chambers. Free.

Red Cross Bloodmobile, 9 a.m.-4 p.m., HUB Ballroom.

University Theatre, *H.M.S. Pinafore*, student preview, 8 p.m., The Playhouse.

Thursday, Feb. 8
Jazz Club, "Battle of the Bands," 8 p.m., HUB Ballroom.

University Theatre, Gilbert and Sullivan, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Friday, Feb. 9
Faculty Women's Club Dinner Dance, 6:30 p.m., Elk's Country Club.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Commonsplace Theatre, *Belle de Jour*, 7 and 9 p.m., Room 112 Kern.

Penn State Brass Choir, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Feb. 10
Sports: women's fencing, vs. Jersey City State, 10 a.m.; men's and women's bowling, vs. Drexel, 1 p.m.; men's fencing, vs. Navy, 1 p.m.; women's swimming and diving, vs. Slippery Rock, 1:30 p.m.; men's basketball, vs. Cheyney, 2 p.m.; men's basketball, vs. Navy, 2:10 p.m.; men's volleyball, vs. Rutgers - Newark, 7 p.m.; wrestling, vs. Lehigh, 7:30 p.m.

France-Cinema, *Dear Inspector*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sunday, Feb. 11
University Chapel Service, 11 a.m., Eisenhower Chapel, John Wenzke, Lutheran Student Parish.

Artists Series, *Mummenschanz*, mime, 8:30 p.m., Eisenhower Auditorium.

Sports: men's bowling, vs. Penn State - Capital, 1 p.m.

Commonsplace Theatre, *Belle de Jour*, 7 and 9 p.m., Room 112 Kern.

Week of Feb. 12

Monday, Feb. 12
France-Cinema, *Dear Inspector*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Feb. 13
Shakespeare film, Rigg, *Midsummer Night's Dream*, 6:30 p.m., Room 101 Chambers. Free.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. John Kaiser and Murray Martin, university libraries, on "Resources for Comparratists."

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sports: women's basketball, vs. Edinboro, 7 p.m.

Wednesday, Feb. 14
Shakespeare film, Rigg, *Midsummer Night's Dream*, 6:30 p.m., Room 101 Chambers.

Sigma Delta Epsilon luncheon meeting, noon, Room 101 A Kern. Katie Perry, graduate student, horticulture, on "Increasing the Effectiveness of Sprinkling for Frost Protection."

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Artists Series film, Lars Magnus Lindgren, 1966, *Dear John*, 8 p.m., Schwab.

Sports: men's basketball, vs. Pittsburgh, 8:10 p.m.

Thursday, Feb. 15
University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sports: women's swimming and diving, vs. East Stroudsburg, 3:30 p.m.; women's basketball, vs. Millersville, 7 p.m.; wrestling, vs. Lock Haven, 7:30 p.m.

Friday, Feb. 16
University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sports: women's basketball, vs. Delaware, 7 p.m.

Commonsplace Theatre, *The Graduate*, 7 and 9 p.m., Room 112 Kern.

Saturday, Feb. 17
Last date for submitting petition to Records Officer to graduate in absentia in March.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sports: coed riflery, vs. Indiana, Pa. and Army, 11 a.m.; women's swimming and diving, vs. Princeton, 1:30 p.m.; men's basketball, vs. Army, 2:10 p.m.; men's and women's gymnastics, vs. Southern Illinois, 7:30 p.m.

France-Cinema, *Violins of the Ball*, 7 and 9 p.m., Room 112 Kern.

Sunday, Feb. 18
University Chapel Service, 11 a.m., Eisenhower Chapel, Carl Derk, Inter-Varsity Christian Fellowship.

Week of Feb. 19

Monday, Feb. 19
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

France-Cinema, *Violins of the Ball*, 7 and 9 p.m., Room 102 Kern.

Tuesday, Feb. 20
Sports: women's basketball, vs. Slippery Rock, 6 p.m.

Wednesday, Feb. 21
Last day for signing Winter Term Emergency Loans, Room 108 Shields.

Winter Term classes end, 9:55 p.m.

Sports: men's volleyball, vs. Pittsburgh, 7 p.m.

Composers' Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Feb. 22
Final examinations.

Friday, Feb. 23
Final examinations.

Saturday, Feb. 24
Final examinations.

Week of Feb. 26

Monday, Feb. 26
Final examinations.

Tuesday, Feb. 27
Residence Halls close, 3 p.m.

Sports: women's basketball, vs. Lock Haven, 7 p.m.

Thursday, March 1
Sports: men's swimming and diving, Eastern Intercollegiate Championships.

Friday, March 2
Sports: men's swimming and diving, Eastern Intercollegiate Championships.

Saturday, March 3
Winter Term Commencement, 10:30 a.m., Rec Bldg.

Sports: men's swimming and diving, Eastern Intercollegiate Championships; men's fencing, vs. Carnegie-Mellon, 1:30 p.m.

New Faculty

Behrend College

Paul C. Iddings as assistant professor of theatre arts. B.F.A., Va. Commonwealth U., M.A., Catholic U. Formerly professor, Acor Dinner-Theatre, assistant professor, Mercyhurst College.

H. Eugene Shull as associate professor and head, Division of Natural Science and Engineering. B.S., U. of Penna.; M.S., Ph.D., Penn State. Formerly assistant director, Penn State Combustion Lab.

Diana George as assistant professor of English. B.A., M.A., S.U.N.Y.-Fredonia, Ph.D., S.U.N.Y.-Buffalo, in progress. Formerly teacher, Fredonia High School.

Ki-R. Shim as assistant professor of economics. B.A., Seoul National U., M.A., Kent State U.; Ph.D., U. of Cincinnati. Formerly assistant professor, Benedict College.

James B. Sims as assistant professor of physical education. Edinboro State College, M.S.; Duquesne U. Formerly director of basketball, Peru, assistant basketball coach, Duquesne.

Steven A. Ward as assistant professor of speech communication. B.A., U.C.-Santa Barbara, M.A., Ph.D., Penn State. Formerly instructor, Penn State; teacher, Cabellro Senior High School, Lompoc, Calif.

John P. Aull as instructor of physical education. B.A., Herbert H. Lehman College, M.S., U. of Illinois. Formerly men's tennis coach, U. of Illinois.

Audrey M. Butterfield as instructor of nursing. B.S., Penn State. Formerly staff nurse, Harriet Medical College.

Ellen J. Johns as instructor of physical education. B.A., Monckton State College, M.A., Ed.S., Eastern Kentucky U. Formerly instructor, Centre College.

Kirk P. Kelly as instructor of accounting and business administration. B.B.A., St. Bonaventure U., M.B.A., U. of West Florida, Ph.D., in progress, U. of Pittsburgh. Formerly instructor, Beaver Campus.

Ann T. Mace as instructor of nursing. B.S.N., U. of North Dakota. Formerly staff nurse, Shriners Hospital, Erie, Pa.

Sylvie Richards as assistant professor of French. B.A., Indiana State U., M.A., M. Phil., Columbia U., Ph.D., in progress, Columbia. Formerly instructor, Mercy College.

Altoona Campus

William R. Balch as assistant professor of psychology. B.A., Haverford College, Ph.D., U. of Minnesota. Formerly post-doctoral fellow, U. of Connecticut/Hushins Labs.

Anthony J. Baratta as assistant professor of general engineering. B.S., B.A., Columbia U.; M.S., Brown U.; Ph.D., in progress, Brown. Formerly assistant director for advanced development, U.S. Navy Dept.

Margaret F.R. Perdue as assistant professor of speech communication. B.A., M.A., Ph.D., Penn State.

Beaver Campus

Robert S. Cole as instructor of accounting. B.S., B.A., Shippensburg State College, M.B.A., U. of Northern Colorado. Formerly sales auditor, Hess's Dept. Store, Allentown.

Berks Campus

Daniel B. Litvin as assistant professor of physics. B.S., M.Sc., D.Sc., Technion-Israel Institute of Technology, Haifa, Israel. Formerly post-doctoral research associate, U. of Tenn.

Spiro G. Patton as assistant professor of economics. B.A., Penn State, Ph.D., U. of Pittsburgh.

David B. Harmon as instructor of finance. B.S., Indiana U. of Pa.; M.B.A., Penn State.

Capitol Campus

Sally A. Chant as assistant professor of reading, director, Child Development Center. B.A., Geneva College, M.A., Ed.S., Ph.D., Michigan State U. Formerly assistant professor, Shippensburg State College, Framingham State College, Auburn U.

Eton F. Churchill as assistant professor of humanities and multi-media journalism. B.A., M.F.A., Tulane U. Formerly professor, MPBN, U. of Maine; assistant professor, Lake Erie College.

George S. Cole as assistant professor of business administration. B.S., U. of Delaware; M.B.A., Ph.D., Michigan State U.

Elaine A. Friedrich as assistant professor of political and social science. B.A., Brooklyn College, M.A., Ph.D., U. of Michigan. Formerly visiting lecturer, Bryn Mawr College.

Jerome J. Przybylski as assistant professor of mathematics. B.S., Aquinas College, M.A., Ph.D., Western Michigan U.

Don P. Sugai as assistant professor of social science. B.S., U. of Southern California; M.S., Ph.D., U. of Massachusetts, Amherst.

Kevin W. Sweeney as assistant professor of humanities and philosophy. B.A., American U.; Ph.D., U. of Wisconsin.

Clifford H. Wagner as assistant professor of mathematics. A.B., U. of Cincinnati, M.A., U. of Michigan, Ph.D., S.U.N.Y. at Albany. Formerly assistant professor, Fitchburg State College.

Ying-King Yu as assistant professor of mathematics. B.Sc., Chung Chi College, Hong Kong; Ph.D., Case Western Reserve U., M.S., computer science in progress, Temple U.

Formerly lecturer, Queens College.

Raymond J. Goldstein as instructor of business administration. B.A., Columbia U., M.A., Brown U.; Ph.D., in progress, Columbia.

Formerly instructor, Wagner College.

Charles R. Gowen III as instructor of management. B.S., U. of Rochester; M.B.A., Ohio State U.; Ph.D., in progress, Ohio State.

Herbert M. Hunter as instructor of social science. A.S., Ph.D., Community College; B.S.S., Penn State-Capitol, M.A., Boston U.; Ph.D., in progress, Boston U.

Robert F. Muzenrider as instructor of public administration. A.B., M.A., U. of Georgia; Ph.D., in progress, U. of Georgia. Formerly interim assistant professor, U. of Florida.

Larry G. Wilkes as instructor of public administration. B.A., Oklahoma State U., M.A., Ph.D., U. of Florida. Formerly instructor, U. of Florida.

Delaware County Campus

Joan M. Gaulard as assistant professor of speech communication. B.S., Boston U., M.A., Arizona State U.; Ph.D., Indiana U.

Gary Lason as assistant professor of mathematics. B.A., M.A., Ph.D., U. of Penna. Formerly visiting lecturer, Community College of Philadelphia.

Adam J. Sorkin as assistant professor of chemistry. A.B., M.A., Cornell U.; Ph.D., U. of North Carolina. Formerly assistant professor, Bluefield State College.

Charles Ehrman as instructor of business logistics. B.B.A., M.A., Baruch College, Ph.D., in progress, Temple U. Formerly instructor, Rutgers U.

DuBois Campus

Melvin C. Seesholtz as assistant professor of English. B.S., Penn State, M.A., U. of Hawaii, Ph.D., U. of Essex, England. Formerly lecturer, Boston College.

Fayette Campus

Michael J. Lechnar as assistant professor of history. B.S., M.A., Ph.D., West Virginia U. Formerly instructor-lecturer, Fayette Campus.

Evelyn B. Puhar as assistant professor of philosophy. B.A., U. of Denver; Ph.D., U. of Michigan. Formerly assistant professor, Grinnell College.

John P. Foley as instructor of business logistics. A.B., Villanova U.; M.B.A., Duquesne U. Formerly owner of Athletic Alert store.

Thomas Novak as instructor of mining. B.S., Penn State, M.S., U. of Pittsburgh, Ph.D., in progress, West Virginia U. Formerly electrical engineer, U.S. Bureau of Mines.

Hazleton Campus

Margaret M. Cote as assistant professor of English. B.A., Carlow College, Ph.D., Catholic U. of America. Formerly instructor, East Connecticut State College.

Joseph J. Marchesani as assistant professor of English. B.A., U. of Penna., M.A., Ph.D., U. of Rochester. Formerly assistant professor, Marietta College.

McKeesport Campus

Hwei-Jen Yang as assistant professor of speech communication. B.A., National Taiwan U.; M.A., Murray State U.; Ph.D., Ohio State U.

Mont Alto Campus

Stephen E. Wilson as assistant professor of mathematics. B.A., Northern Arizona U., Ph.D., U. of Washington. Formerly post-doctoral student, Michigan State.

Carl B. Wolfe Jr. as assistant professor of biology. B.S., Guilford College, M.A., Western Carolina U.; Ph.D., U. of Tennessee.

Nancy L. Foust as instructor in theatre arts. B.F.A., Boston U.; M.A., U. of Iowa; Ph.D., in progress, New York U.

New Kensington Campus

Clarence W. Finley Jr. as assistant professor of chemistry. B.A., California State College, Ph.D., in progress, Louisiana State U.

James A. Kelso as assistant professor of speech communication. B.A., M.A., San Jose State U.; Ph.D., U. of Pittsburgh. Formerly instructor, Pan American U.

Charles Olson as instructor of computer science. A.B., Princeton U., M.S., U. of Pittsburgh; Ph.D., in progress, U. of Pittsburgh.

Ogontz Campus

Pierre F. Cintas as assistant professor of French. M.A., U. of Colorado; Ph.D., Indiana U. Formerly assistant professor, Dalhousie U., Halifax, N.S.

Edward T. Dressler Jr. as assistant professor of physics. B.S., Duquesne U., M.S., Ph.D., American U. Formerly postdoctoral research associate, National Bureau of Standards.

Paul S. Putter as assistant professor of mathematics. B.A., Reed College, M.A., Ph.D., U. of Oregon. Formerly assistant professor, Wilkes-Barre Campus.

Ann M. Schmiedeknecht as assistant professor of physics. B.S., Ph.D., U. of Texas. Formerly instructor, research associate, Kansas State U.

Schuylkill Campus

Linda E. Cleveland as assistant professor of chemistry. B.A., Coe College, Ph.D., U. of Iowa. Formerly assistant professor, Luther College.

Patrick D. Nolan as assistant professor of sociology. B.A., U. of Illinois, M.A., Ph.D., Temple U. Formerly visiting instructor, Temple U.

John B. Urenko as assistant professor of mathematics. B.S., Penn State, M.S., Ph.D., Northwestern U. Formerly assistant professor, Loyola U.

Shenango Valley Campus

Constantine K. Klorys as assistant professor of mathematics. B.E., U. of Detroit; M.S., Illinois Institute of Technology; Ph.D., Kent State U.

Ronald J. Pollock as assistant professor of chemistry. B.S., Duquesne U.; Ph.D., Wayne State U. Formerly post-doctoral researcher, Michigan State U.

Glenna E. Harris as instructor of physical education. B.S., Slippery Rock State College; M.Ed., Kent State U. Formerly teacher, Sharpville, Pa., Area School District.

Wilkes-Barre Campus

Harry J. Porta as assistant professor of mathematics. A.B., Harvard U.; M.S., Ph.D., Carnegie-Mellon U.

Michael D. Riley as assistant professor of English. B.A., U. of Scranton, M.A., Ph.D., Ohio U. Formerly assistant professor, Floyd Jr. College.

Carol L. Weisz as assistant professor of English. B.A., Hunter College, Ph.D., Purdue U., Masters in communication in progress, Purdue. Formerly lecturer, Purdue.

Brent Spencer as instructor of English. B.A., Wilkes College, M.A., U. of Michigan, Ph.D., in progress, Penn State.

Worthington Scranton Campus

Joseph J. Burinsky as assistant professor of engineering. B.S., Penn State. Formerly self-employed architect and part-time instructor, Worthington Scranton Campus.

Michael W. Ecker as assistant professor of mathematics. B.A., City College of New York, Ph.D., City U. of New York. Formerly adjunct lecturer, Lehman College.

James R. Feltham as assistant professor of chemistry. B.S., Siena College, Ph.D., U. of Rochester. Formerly research chemist, E.I. du Pont de Nemours, Inc.

Leo Manglavitis as assistant professor of English. B.A., Fordham U.; M.A., Ph.D., Johns Hopkins U. Formerly part-time lecturer, Worthington Scranton Campus.

York Campus

Frederic Gooding Jr. as assistant professor of mathematics. A.B., Harvard U.; M.A., U. of Illinois, M.A., Ph.D., U. of Wisconsin. Formerly assistant professor, Gallaudet College, U. of Wisconsin.

Laverne H. Hardy as assistant professor of general engineering. A.B., Cornell U.; M.S.E.E., S.U.N.Y. at Buffalo. Formerly senior project associate, MRL, Penn State.

John R. Madden as assistant professor of psychology. B.A., Hofstra U.; Ph.D., Adelphi U. Formerly adjunct assistant professor, Adelphi.

John A. Medeiros as assistant professor of physics. B.S., Ph.D., U. of Massachusetts. Formerly research associate, U. of Western Ontario.

Richard M. Plishka as instructor of computer science. B.S., U. of Scranton; M.S., P.A.B.A., Syracuse U. Formerly assistant, Air Products and Chemicals, Inc., Allentown.

University Libraries — University Park

Sarah G. Wayman as senior assistant librarian, Reference and Instructional Services. B.A., Penn State; M.L.S., U. of Pittsburgh. Formerly assistant professor, Lynchburg College.

John C. Attig as assistant librarian, Cataloging. B.A., Carleton College, M.A., Syracuse U.; M.A., U. of Michigan; Ph.D., in progress, Syracuse. Formerly library assistant, Bowling Green State U.

Lydia W. Wasylenko as assistant librarian, Cataloging. B.A., Columbia U.; M.L.S., Syracuse U. Formerly assistant librarian, American Philatelic Research Library.

Seminars

Dec. 4-8

Monday, Dec. 4

Mineral Processing, E.T. Woodburn, University of Natal, on The Study of Flotation Circuits Using Sparse Matrices, 12:45 p.m., Room 104 Stead.

Biochemistry and Biophysics/Chemistry, Charles Cantor, Columbia University, on "Structure of Ribosomal RNA," 3:55 p.m., Room 101 Althouse.

Computation Center, "APL (2 of 6)," for users of research accounts, 7:30 p.m., Room 108 Forum.

Tuesday, Dec. 5

Biochemistry and Biophysics, Charles Cantor, Columbia University, on "Energy Transfer Studies on Ribosomes and Chromatin," 11:10 a.m., Room 101 Althouse.

Biology, N. Miller, Harvard University, on "Disjunct Plant Populations in the Gulf of St. Lawrence: A Paleobiogeographic Perspective," 11:10 a.m., Room 333 Whitmore.

Organic Chemistry, Michael R. Rogie, Allied Chemical Co., on "C/D Induced Oxygenolysis of Aromatics. On the General Question of Activation of O₂ by Dioxymore," 12:45 p.m., Room 333 Whitmore.

Research Applications of Computers, Kevin O'Kane, University of Tennessee, on "Perspectives in Clinical Computation," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Keith H. Dearth, Office of Water Program Operations, EPA, Washington, D.C., on "On Site Systems vs. Collection Sewers — A Step Forward or Backward?" 2:20 p.m., Room 277 Willard.

Thursday, Dec. 7

Remote Sensing of Earth Resources, Toby Carlson, meteorology, on "Thermal Mapping of Urban Areas by Satellite," 10 a.m., Room 329 E East.

Chemistry, F. A. Cotton, Texas A & M University, on "Homo- and Heteronuclear Bonds Between Metal Atoms of Group IV," 12:45 p.m., Room 333 Whitmore.

Computer Science, Gerhard Barth, on "Fast Recognition of Context-Sensitive Program Structures," 4 p.m., Room 325 Whitmore.

Philosophy, William Harth, philosophy, on "Rawls and Environmental Ethics," 4 p.m., Room 267 Willard.

Computation Center, "APL (3 of 6)," for users of research accounts, 7:30 p.m., Room 108 Forum.

Friday, Dec. 8

Analytical Chemistry, L. Slicker, graduate student in chemistry, on "Enzyme Electrodes," 11:10 a.m., Room 333 Whitmore.

President to name search committee

President Oswald will be appointing an Advisory Search Committee to assist him in identifying candidates for the position of Director at the Worthington Scranton Campus.

The Advisory Search Committee will identify those candidates who can provide the ablest possible academic leadership and administration of the Worthington Scranton Campus.

Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the university level and/or administration of higher education.

Applications and letters of nomination should be directed to Dr. Robert C. Quinn, Room 111 Old Main, University Park, PA 16802 by Dec. 15, 1979.

Senate

(Continued from page 1)

Students Program had two. Twelve students were admitted under the Arts and Architecture Talent Program.

The Committee on Admissions, Records and Scheduling also presented a report on the Developmental Year Program (DYP). The report, which has been submitted to the Office of the Provost for implementation, includes several modifications.

Students chosen from admission category 8 will now undergo an additional screening conducted by the DYP committee on admissions. These students may also be required to undergo a personal interview with the DYP admissions committee prior to receiving an admissions decision.

No more than 10 percent of the students in the EOP group may be admitted in an undesignated admissions category, and henceforth students without a designated admissions category must be reviewed and approved by the DYP committee on admissions prior to being admitted.

Admission priority will be given to category 5, 6 and 7 students, while category 8 students will be admitted on a deferred space available basis. All category 8 students will be restricted from enrolling in the College of Science.

In still another change, DYP academic counselors have been added to assist faculty advisors in providing academic support services and guidance to DYP students.

In its oral informational report, the Curricular Affairs Committee will describe its revised *Guide to Curricular Procedures*. The guide has been distributed to senators

and University administrators and details information on procedures necessary for processing courses and programs. In addition, the Committee has prepared a checklist to expedite its review procedures. The checklist will help initiators and review officers identify, revise and monitor procedural and substantive matters before submitting materials to the Senate Curriculum Recorder.

A Curricular Affairs Subcommittee to Develop Guidelines for the Implementation of BDR III will report on the tentative timetable it has established.

A letter has already been sent to appropriate personnel in the Colleges of Arts and Architecture, Earth and Mineral Sciences, the Liberal Arts and Science to prepare a set of statements of objectives, competencies and skills, being course specific wherever possible, to satisfy BDR III legislation. The Colleges have also been asked to identify advisory consulting teams to help undergraduate program faculties to develop an appropriate listing of courses for BDR III.

A second letter was sent to all program heads requesting similar advisory statements.

The Committee plans to distribute these replies University-wide, along with forms which it will have developed, by Jan. 5, 1979, and program review will be completed by May 1, 1979, to meet the deadline for inclusion in the 1980-81 undergraduate catalog.

An account of changes in University reporting for 1977-78 for the Snyder Amendment is to be presented by the External Affairs Committee. Under the Snyder Amendment (which was proposed in 1972 by Senator Richard A. Snyder) all State-related universities and the State Colleges are required to submit annual

reports on various faculty activities as they pertain to the budget.

During the reporting year 1977-78, the definition of full-time faculty was changed to describe only those persons with 100 percent full-time equivalents (FTE) in resident instruction for a term. Part-time faculty are defined as having a resident instruction FTE greater than 0 percent but less than 100 percent. Those faculty with a resident instruction FTE of 0 percent are to be classified separately as volunteer faculty and are to be reported only if they taught within resident education.

Under the old definition, there were 2,461 full-time faculty; under the new definition, there are 1,789 — a decrease of 27 percent. In the College of Agriculture, for example, in fall 1976 the average weekly workload reports showed 252 faculty. The fall 1977 report shows 177. Most faculty in the College are on split appointments, and there are very few agriculture faculty at the Campuses where a full-time resident instruction load is prevalent.

Changes have also been made in the definition of course levels. This is now defined as "the level of the plurality of students registered in the course." Student counts are summarized across all terms of the academic year and at all locations at which the course is presented in order to arrive at the plurality level.

Assigned credits and credit hours reported have been altered. All credits and credit hours are attributed to the level derived from the course.

Also, a course is to be counted only once regardless of the number of locations at which it is presented. Sections are counted by location. The number of students registering for independent study is reported separately from the course and

section statistics for regular classroom courses. Finally, all reports which were previously submitted by College or Campus location are being submitted by College only.

These redefinitions give a better insight into actual instructive costs at Penn State when compared to those at other institutions, the Committee report explains.

A preliminary report on The Five-Year Planning and Budget Process will be presented by the Subcommittee on Intermediate Range Budget and Planning. The report is being presented to give faculty information which might assist in helping the University develop criteria to evaluate program needs and set priorities. The text of the report will appear in the Dec. 7 INTERCOM.

According to a report to be presented by the Senate Committee on Libraries, an automated circulation system will be phased in during Winter Term as the first segment of a larger inventory control system in the Libraries. The report will appear next week in INTERCOM.

Finally, an information report on Grade Distributions has been compiled by the Committee on Undergraduate Instruction. The report is divided into four sections, and selected tables will appear in the Dec. 7 INTERCOM. Part one is a summary of grades given in Continuing Education and Resident Instruction Courses. Part II contains the distribution of grades for Resident Instruction by Campus location and by University Park Colleges. Part III contains the distribution of grades for Continuing Education by Campus and College. Part IV contains the distribution by grade for baccalaureate courses (0-499) presented in Resident Instruction at all locations during Spring Terms 1971-78.

News in brief

(Continued from page 1)

December. He will discuss "Poetry and Music in West Africa" at the Comparative Literature Luncheon at 1 p.m. Tuesday, Dec. 5, in the Hotel State College, and "The Mande Hero" at the African Studies Forum at 7:30 p.m. on Wednesday, Dec. 6, in Room 101 Kern Building. Both lectures are open to the public.

Dr. Bird will also lecture in four courses on the epic, folklore, and African literature.

The talks are sponsored by the Black Studies Program, the Institute for the Arts and Humanistic Studies, and the Liberal Arts International Programs Committee.

Dr. Bird holds a joint appointment as UNESCO Visiting Professor and chairman of the Department of Applied Linguistics at the Higher Education Center in Bamako, Mali, and as professor of linguistics and Fellow of the Folklore Program at Indiana University.

Dr. Bird is the author of numerous articles in scholarly journals and six books on language and culture in the Mande area of West Africa.

East German author visiting

Eberhard Panitz, an East German novelist and playwright for television and radio, will give a reading in German from his works at 8 p.m. on Thursday, Dec. 7, in Room 124 Sparks. There will be a discussion period (in German and English) afterwards.

Mr. Panitz is a guest of the Institute for the Arts and Humanistic Studies, which matched local support with major funding from the International Visitor Program to make his residency possible.

Choirs hold auditions

The University Choirs invite faculty, staff and their spouses to audition now to sing the Verdi Requiem.

The 300-member Concert Choir especially wants more tenors and basses for the performances of the Verdi with the Northeastern Philharmonic Orchestra. The groups will perform together on May 12 in Eisenhower Auditorium and May 14 and 15 in Scranton/Wilkes-Barre.

Director Raymond Brown and his

assistant Tommie Irwin conduct the Choirs, which are also scheduled to perform Carl Orff's *Carmina Burana* with Andre Previn and the Pittsburgh Symphony Orchestra in Pittsburgh Feb. 8-12. That concert will be filmed and televised for PBS.

Interested singers should contact the choir office — Room 214 Eisenhower Chapel, 865-6548. Both day and evening audition times will be made available.

Callahan French horn concert Dec. 6

Christopher Callahan, French hornist, will present a concert at 8:30 p.m. Wednesday, Dec. 6, in the Music Building Recital Hall.

Among the contemporary works on Mr. Callahan's program are Georges Favre's "PNYX," a duo for flute and French horn, Scherzo Concertante by Václav Nihelby, a fanfare piece for the French horn; and Paul Hindemith's *Sonata* (1939).

The *Adagio and Allegro*, opus 70 by Robert Schumann, a highly romantic piece, will also be included in the program. Mr. Callahan will be assisted by Overda Page, flutist, and Philip Dettra, pianist. Mr. Page is an instructor of music, and Mr. Dettra is an assistant professor in the music department.

Mr. Callahan, an assistant professor of music, received a B. Mus. in French horn from Wichita State University and an M. Mus. in French horn from the University of Michigan. He is a member of the Claremont Quintet.

Tickets for "Amahl" on sale

Amahl and the Night Visitors, the opera by Gian-Carlo Menotti, will be presented by the Penn State Singers at 8:30 p.m. Friday, Dec. 8, and at 2 p.m. Saturday, Dec. 9, at Eisenhower Auditorium.

Appearing as Amahl will be Kevin Long. The mother will be performed by Karen Eckenroth. Tommie Irwin, Clyde B. Jones III and William C. Miller will be featured as the three kings. The page will be played by Randy Biter.

Mr. Long is a student in the College of Arts and Sciences. He is a public school performer, with the exception of Mr. Irwin, who is assistant director of University Choirs, and Mr. Miller, assistant director of Broadcasting Services,

are members of the Penn State Singers, a madrigal group directed by Raymond Brown, professor of music. Other members of the Singers will appear as townspeople and shepherds in the production.

Kimberly D. Wolfe, a graduate assistant in the Department of Music, is serving as stage and artistic director. Musica da Camera, the University's chamber orchestra, will perform the music. The overall production is under the direction of Mr. Brown.

Tickets for both performances will be sold at the Eisenhower Auditorium box office from 10 a.m. until 4 p.m. Dec. 4-8 and will be available at the door before performances. Inquiries may also be addressed to Mr. Brown or Miss Wolfe at 865-6548.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in these openings may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 8, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ACCOUNTANT, DINING HALLS — HOUSING AND FOOD SERVICES, UNIVERSITY PARK Responsible for the control and coordination of accounting procedures in each dining hall, including financial statements and income control. B.S. degree or equivalent in accounting required, plus one to two years of directly related experience.

VETERANS COUNSELOR — STUDENT AFFAIRS, UNIVERSITY PARK Responsible to the Coordinator of Veterans Affairs for services to be rendered by the Office of Veterans Affairs as Veterans Counseling, Veterans Credit and Records, and coordinating a liaison with the Offices of Adult Aid, Student Loans, Career Development and Mental Health. A master's degree in student personnel administration or a related field or the equivalent of a master's degree is required. Two to three years directly related experience is necessary. THIS IS A FIXED TERM POSITION FUNDED THROUGH JUNE 30, 1979.

TECHNICAL SPECIALIST — CONTINUING EDUCATION, UNIVERSITY PARK Travel throughout the Commonwealth, visiting public and private agencies and organizations to assist in identifying and solving energy-related problems, will make research findings available; will make referrals to consultants, manufacturers, and organizations as a means of conserving energy; will provide user with follow-up data as to implementation and impact on specific solutions. Bachelor's degree or equivalent, plus several years' experience in energy conservation.

WPSX Highlights

Barbara Kople's Academy Award-winning film, *Harlan County, U.S.A.*, is presented Saturday, Dec. 2, at 10 p.m. on Cinema Showcase. The documentary chronicles the efforts of striking coal miners to win a United Mine Workers of America contract. After the miners voted to join the union, the parent company refused to sign a standard contract and an illegal strike, a tragic aftermath, ensued.

The ecology of a New England pond is followed through its annual cycle on *Still Waters*, a one-hour Nova documentary to be seen Monday, Dec. 4, at 8 p.m. The program shows how beavers determine the existence and evolution of the pond. A myriad of species, from larger animals to insects to microscopic life, is seen in detail.

The approach of Hanukkah is the occasion for a visit with writer Philip Klass, a professor of English, who talks about the nature of Jewish humor Tuesday, Dec. 5, at 7:30 p.m. on Talkabout.

Jacques and Philippe Cousteau explore a region which was once the site of a thriving civilization, Wednesday, Dec. 6, at 8 p.m., on *Blind Prophets of Easter Island*, part of the series *The Cousteau Odyssey*. The program examines the remains of a culture which fell victim to its own excesses — over-population, exploitation of natural resources, and demands of the priestly class for nonproductive labor.

Eugene O'Neill's dramatic epic, *Mourning Becomes Electra*, comes to television in its entirety, Wednesday, Dec. 5, at 9 p.m. as part of *Great Performances*. The five-part presentation is set in a post-Civil War town in New England and stars Jon Hackett and Roberta Maxwell. Because of its length, the play is rarely performed in its entirety.

"*The Spirit of Punsawatuney*," WPSX-TV's one-hour documentary about the daily newspaper of Punsawatuney, Pa., will be broadcast nationally over the Public Broadcasting Service Wednesday, Dec. 6, at 10 p.m. The documentary, which was produced in 1976, examines the newspaper's efforts to reflect the community its serves.

Penn State Intercom

'Tis the season Holiday Festival's an intercultural potpourri

Holiday Festival V, a week-long intercultural celebration at the University, will be held Dec. 10-17.

Some of the week's scheduled activities include a tree lighting ceremony, an International Fair, an Old English Madrigal Dinner, an International Talent Night, concerts, films, a children's party, art displays and demonstrations and an International Holiday Candlelight Dinner.

The events are sponsored by a variety of student organizations and administrative units, including the University Committee on International Programs. All activities are open to the public.

The community tree lighting ceremony formally opens the week of celebration at 6 p.m. Sunday, Dec. 10, at the Mall entrance to University Park at the corner of College and Allen Streets.

Town and University officials will be on hand, along with the Penn State Glee Club, which will sing several holiday selections.

The International Fair will take place from noon to 6 p.m. Dec. 10 in the HUB Ballroom and will feature an a la carte international dinner, folkdancing and cultural displays of international art work and artifacts.

A candlelight dinner with the theme, "Holidays Around the World," will be held from 5 p.m. to 7 p.m. Thursday and Friday, Dec. 14 and 15, at the HUB Terrace Room.

International Night, from 7-10 p.m. Friday, Dec. 15, in the HUB Ballroom, features a variety of short programs by students from around the world designed both to entertain and to enhance

(Continued on page 4)



A sampling of the greenhouse's stock.

A plant for everyone at Greenhouse Sales

Whether you prefer plants that grow up or hang down, like your poinsettias in the traditional red or with pink spots, want a humble sprig of ivy or an exotic orchid, you'll find them in the Greenhouse Sales Room.

Located in the third greenhouse behind Tyson Building, the sales room is open daily this month from 10 a.m. to noon and from 12:30 p.m. to 4 p.m. to accommodate Christmas shoppers.

Special Christmas items include a dazzling array of poinsettias. Among the more unusual ones are jungle Bells — the red with pink spots — plants with both red and white blooms, and white poinsettias with marbled pink centers. For an unusual centerpiece, red, white and pink poinsettias have been planted in a large pot surrounding a Norfolk Island pine

Flowering plants include African violets, both standard and miniatures, in all shades of purple, as well as in white and pink. There's a large selection of Christmas cacti in bloom, along with begonias, their rose, scarlet, pink and yellow flowers showing off against the green foliage of less flashy neighbors.

Among these are the ferns, and if you can't decide which variety to buy, you can get six small plants in a large saucer and try them all. Perhaps you'd like to start someone on a cactus collection; prickly specimens abound. Nearby are the succulents (cacti without thorns), including the ever popular jade plants in standard, variegated and miniature varieties.

Practically any hanging plant you can

(Continued on page 4)

Artists Series' tickets make a different Christmas gift

If you're looking for an unusual gift for a discriminating relative or friend, the Artists Series may have just the "ticket."

They're responsoring a holiday ticket sale Thursday and Friday, Dec. 14 and 15, from 9 a.m. to 4 p.m. in Eisenhower Auditorium for any or all of four varied programs coming up next year.

The first event is The Blackstone Magic

Show on Saturday, Jan. 6, a delightful evening of magic and illusions for the entire family. Then on Saturday, Feb. 3, the Pittsburgh Symphony Orchestra will visit Eisenhower Auditorium with conductor Leonard Slatkin and cellist

David Rosin.

Balletomanes might enjoy tickets to the

(Continued on page 4)

Penn State's administrative costs found among lowest in nation

A study of administrative costs at 23 public and private universities shows that Penn State ranks as one of the most cost-effective schools in the country.

The study, conducted for Robert A. Patterson, Penn State's senior vice president for finance and operations, shows that administrative costs during the 1976-77 academic year were 6.4 percent of the University's total educational and general operating expenses.

Of all the schools, Kansas State University was lowest with administrative costs that were 3.5 percent of the budget. The University of Georgia was highest with 18.3 percent.

According to Mr. Patterson, Penn State has been able to hold down its costs generally because of three factors: its organizational structure, its communications and its strict budget controls.

"Because we provide much of the central administration for the other Penn State campuses from University Park, we don't duplicate administrative work as some other schools do," he said. "And our communication system is excellent. Better communications enhance decision making."

The President's Administrative Policy Council meets every Monday morning. The President or the Provost meets with the President's staff and deans on alternate Monday afternoons, and the deans can then meet with their department heads on Tuesday morning.

"Within a day, all important information can be filtered through to the administration and faculty. That enables people to know what's going on and makes the entire operation more effective," Mr. Patterson added.

Mr. Patterson noted that over the past decade, the University has occupied 25

percent more gross square footage than formerly, but has not increased the size of its basic staff. Five vice presidents lost to retirement in the past eight years, he said, have not been replaced.

The study was based on annual controller's reports released by the universities. Although not required by law to release financial figures, Mr. Patterson said, most universities make certified annual reports, prepared by outside auditing firms, available to the public.

"It's hard to say why administrative costs are higher at some schools than at others because the reports don't normally break down costs by department," he said. "But at the University of Georgia, one reason costs are high is that the campus operation is not administered from one central office. There is duplicated effort."

As for the unusually low administrative costs at the University of Kansas, Mr. Patterson said, "we can only speculate that the state may do all of that university's purchasing or provide its security."

Such services are not provided for the State-related schools in Pennsylvania.

Mr. Patterson said that if Penn State's administrative costs were higher, students would have to pay more.

"If our administrative costs were in the first quartile (11.2 percent of total expenses in the study), it would cost students approximately \$275 to \$300 more per year to attend Penn State," he said.

Penn State's tuition is now the third highest in the country for publicly supported institutions (behind Cornell and Temple Universities), Mr. Patterson reported, because Pennsylvania's appropriation per capita ranks 44th out of the 50 states. Mr. Patterson said the State appropriation accounts for only about 30 percent of Penn State's operating budget.

Automated circulation system is adopted by the University Libraries to improve operation

Editors note: The following statement has been issued by University Libraries Dean Stuart Forth. Background information is contained in the text of the report prepared by Dean Forth for the Faculty Senate and published on page 4.

The University Libraries have adopted an automated circulation system which will be operational in early 1979 at Pattee Library and extend to branches and other service points later in the year. The new system represents a major revision of existing circulation policies and procedures. The use of automated procedures will speed up the circulation and discharge of materials, provide current and reliable information on the status of books and better control of fees and overdue notices. It is a major step in the development of an integrated systems approach to library activities planned by the University Libraries for the improvement of operations on a cost-effective basis.

The first step towards implementation, the registration of borrowers, is now being carried out at the main Lending Services desk in Pattee. All persons wishing to borrow books or other materials must register by filling out an application form which is available at the main

Lending Services desk in Pattee and at lending desks in the branch libraries.

Appropriate identification, such as a University ID card or a driver's license, is required. Borrower's cards are prepared at the Main Lending Services desk and issued to registered borrowers. Cards are not issued automatically and must be applied for. The same classes of borrower have been maintained and will be used in establishing the status of each borrower: undergraduate student, graduate student, faculty, staff and other.

To assist the Libraries in maintaining an up-to-date register of names and addresses, borrowers must report a change of address, a change of status (e.g., student to non-student) or a change of name. Borrowers are responsible for all materials issued on their library borrowers' cards. The loss of a card must be reported immediately to the main Lending Services desk to prevent its misuse by others. At that time, a replacement card will be issued.

The Libraries are currently preparing materials for automated circulation by adding bar-coded labels to them. Registration of borrowers and labelling are part of the advance preparation activities. The exact timetable for implementing the remainder of the circulation system is not

(Continued on page 2)

Penn Staters

Dr. Frank F. Aplan, professor of mineral processing, was recently elected a distinguished member of the Society of Mining Engineers, a national organization with more than 25,000 professional and student members. The society, which currently has fewer than 100 distinguished members, grants this honor in recognition of "notable contributions to the technology or professional activities encompassed by the society."

Dr. W. C. Hymer, professor of biophysics, presented a paper on "Growth Hormone Secretion *in vitro* and *in vivo*" at The International Society for Biochemical Endocrinology conference in Blois, France, earlier this fall. He also spoke at a seminar at the Medical School of the Free University of Amsterdam.

Dr. T. E. Feuchtwang, professor of physics, has been awarded a Lady Davis Visiting Professorship at the Department of Physics of the Technion, the Israeli Institute of Technology, in Haifa, Israel. He will spend 10 months in Israel teaching two graduate courses and conducting research on spin polarized electron emission phenomena and many-body tunneling phenomena.

Dr. Parris Chang, professor of political science, discussed recent developments in China on the Nov. 28 edition of public television's "MacNeil-Lehrer Report."

Dr. H. K. Henisch, professor of physics and of the history of photography, recently visited Tel-Aviv University, Israel, as guest of the U.S.-Israel Binational Science Foundation. During his stay at Tel-Aviv, Dr. Henisch lectured on the theory of semiconductor contacts and advised on a research project involving transparent conductors. He also gave a public lecture at the Israel Art Museum in Jerusalem on "The Beginnings of Photography."

J. Thomas Eakin, director of the Office of Religious Affairs, was elected vice president of the Association for the Coordination of University Religious Affairs (ACURA) at that organization's annual meeting, held recently at Memphis State University.

Dr. Richard McCarl, professor of physiology, presented invited lectures at Lehigh University, Temple University Medical School, the Jefferson University School of Medicine, and the Hypertension-Endocrine Branch of the National Institutes of Health. He discussed "Cultured Rat Heart Cells as a Tool for Metabolic and Anesthetic Studies."

Dr. Wolfgang E. Meyer, professor emeritus of mechanical engineering, has received an Award of Merit from the American Society for Testing and Materials "for outstanding efforts and achievements in research." Prof. Meyer, a former head of the Automotive Research Program of the Pennsylvania Transportation Institute, was cited for his research "to develop better understanding of the basic mechanism involved in tire-roadway friction."

Halbert H. Holloway has been promoted to assistant professor of speech communication at Mont Alto, effective Nov. 1, the date when he received his Ph.D. from Wayne State University.

Dr. Jerry Reyburn, associate professor of forest resources Extension, gave a series of invited lectures at South Dakota State University Nov. 3 and 4. He spoke on extension leadership and organization for outdoor and other recreation.

Charg Millar, assistant vice president for Student Affairs, has been appointed to the Executive Committee of the Pennsylvania Council for International Education.

Ron Gallas, assistant professor of art, is having a one-man show of his ceramic sculpture through Dec. 15 at the Department of Art and Design of Southern Illinois University. In conjunction with the exhibition Mr. Gallas conducted a workshop on his sculpting technique at the Southern Illinois Ceramics Studio. The exhibit includes 25 pieces developed by Prof. Gallas during the past year while working with the support of a grant from the National Endowment for the Arts. The Endowment is also supporting the exhibit in part.

Bookshelf

Dr. Richard M. Lerner, associate professor of child development, and Dr. Graham B. Spanier, associate professor of human development and sociology, are the co-editors of *Child Influences on Marital and Family Interaction: A Life Span Perspective*, published by Academic Press.

The book integrates recent findings from psychology, sociology and medicine pertaining to child development and its effects upon the interaction patterns across the life span of both child and parents. The book grew out of a conference held at Penn State in which leading researchers from several disciplines gathered to exchange ideas on the reciprocal influences of parents and children.

Royalties from the book are being donated to the College of Human Development to support future conferences, which will bring together persons with diverse training to address new issues pertaining to individual development and the family.

Retirements

Mrs. Letha A. Hoover, Extension home economist in Northumberland County since 1961, will retire Dec. 31.

A native of Sunbury, Mrs. Hoover received a B.S. in home economics education from Mansfield State College. Prior to joining Extension, she worked as a buyer and consultant for B. T. Moyer Furniture, Sunbury.

In 1976, she received a Distinguished Service Award from the National Association of Extension Home Economists in recognition of her educational programs in home management, home furnishings and creative crafts conducted in the Extension multi-county area of Montour, Northumberland, Snyder and Union Counties.

From the Press

Readings in Historical Phonology: Chapters in the Theory of Sound Change. Philip Baldi and Ronald N. Werth, editors. 376 pages. \$14.50, cloth; \$10, paper.

This book is a collection of writings representing the most important trends in the theory of sound change over the past century. The emphasis is theoretical; every selection addresses the central questions of how and why the sounds of language change through time.

The volume is divided into three sections, chronologically determined, tracing the evolution of the concept of sound change in the various theories of language. Each section contains an introduction in which the selections are discussed individually and in relation to each other. The book should be useful as a source book for historical linguists and phonologists, in addition to its primary value as a textbook for courses in historical linguistics at all levels. All selections are in English.

Dr. Baldi is associate professor of linguistics at Penn State. Dr. Werth is professor and chairman of the Department of Foreign Languages and Linguistics at the University of Texas at Arlington.



Five members of the Pennsylvania Cooperative Extension Service staff received 25-Year Service Awards from Dr. James M. Beattie, right, dean of the College of Agriculture. From left: Robert O. Hobbes, Wyoming County; Clair R. Kime, Clarion County; Dr. W. Harry Schaffer, assistant Extension director for the Southeast Region; Mrs. Jane B. Marhefka, Juniata County; and John E. Withrow, Monroe County.

Five members of the Cooperative Extension Service were honored by the College of Agriculture in recognition of their 25 years of service to the University.

They are Robert O. Hobbes, Wyoming County agent; Clair R. Kime, Clarion County Extension director; Jane B. Marhefka, Juniata County home economics agent; W. Harry Schaffer, assistant director, Southeast Region; and John E. Withrow, Monroe County Extension director.

Mr. Hobbes has spent his 25-year Extension career in Wyoming County. A Penn State graduate, he earned a B.S. in agricultural education in 1953. Actively involved in 4-H work, he has increased 4-H membership in his County from 150 to 1,100 persons, developed a Hunter Safety Project and is currently a member of the 4-H State Program Development Committee. He is also very involved with sheep growers and the wool pool.

Mr. Kime has worked in Lawrence, Jefferson and Clarion Counties, the latter since 1963. His B.S. in agricultural economics was earned at Penn State in 1953. Mr. Kime's work has revolved around forage production, selection of crop varieties adapted to the County's soils, and the restoring of strip-mined lands to production. Other interests have been educational programs stressing the importance of magnesium in crop production and animal health, and the presentation of programs to help low-income farmers.

Calling herself a "general home practitioner," Mrs. Marhefka has worked in Lancaster, Washington, Allegheny, Wyoming and Juniata Counties since her graduation from Juniata College with a B.S. in home economics education. She is in charge of the Expanded Food and Nutrition Education Program in the Juniata-Mifflin County area and supervises four aides who have worked with more than 1,000 program families and some 1,500 young people. She is a past president of the Pennsylvania Association of Extension Home Economists and received a Distinguished Service Award from the National Association of Extension Home Economists in 1963.

Dr. Schaffer began his Extension career as an agent in Berks and Lebanon Counties and was an area Community Resource Development agent in the Southeast Region for four years before being named assistant director. His B.S. in agronomy was granted by Penn State in 1950, and he later earned M.S. and Ph.D. degrees from Cornell University. He helped conduct a land application and waste water and sludge project in Berks County and also developed a program of testing and disposing of sewage sludge using Penn State's testing facilities. A "Search for Excellence" award was presented to Dr. Schaffer by the National Association of County Agricultural Agents for these

services, as well as for his work in 4-H leadership development and his assistance to the State Water Management Program, Berks County Manpower Planning Council, the State Land-Use Program and Your Food Committee.

Before his assignment to Monroe County in 1962, Mr. Withrow worked in Perry and Cumberland Counties. He instituted educational programs in Monroe County in community planning, wildlife resources, land-use management, water resources, horse management and home horticulture. A 1950 agricultural education alumnus of Penn State, Mr. Withrow is active in his professional organizations and has been recognized by the Pennsylvania Association of Future Farmers of America and the Board of directors of the Monroe County Cooperative Extension Association.

Libraries automate

(Continued from page 1)

fully determined, but it is expected that service to the academic community from Pattee will get underway during January. A further announcement will be made when the date is settled.

Each borrower on registration is being given a copy of the preliminary statement of the Libraries' circulation policies. This statement outlines the conditions governing the borrowing of library materials, including loan periods, personal reserves, special permission borrowing, and fees and penalties attached to the violation of these conditions. These policy changes will be explained further at the time the Libraries are able to commence the automated circulation of materials.

It is expected that automated circulation will enable the Libraries to give speedier and better service to borrowers. In developing the policies under which automation will operate, the principal goal has been to design a system which will ensure equitable access by all to the resources of the Libraries. No doubt there will be problems at first, but these are common to all changes and the results foreseen will more than compensate for temporary inconveniences.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Dec. 7-17

Special Events

Thursday, Dec. 7

Colloquy, F. Lee Bailey, noted defense attorney, on "The Defense Never Rests," 8 p.m., Rec Bldg. Free.

German Department/IAHS, Eberhard Panitz, East German novelist and playwright for television and radio, reads from his own works (in German) with discussion (in German and English) afterwards, 8 p.m., Room 124 Sparks.

Sports: men's basketball, vs. Maryland (at Hershey Park), 8:10 p.m.

Friday, Dec. 8

American Association of University Presses Book Show, 10 a.m.-4 p.m., Kern Lobby.

France-Cinema, Tacchella, Cousin, Cousine, 7 and 9 p.m., Room 112 Kern.

Department of Astronomy/Astronomy Club, Sky Watch, 7:30-10 p.m., roof of Davey Lab.

Sports: men's and women's gymnastics, Penn State Invitational.

Penn State Singers, Menotti, Amahl and the Night Visitors, 8:30 p.m., Eisenhower Auditorium.

Saturday, Dec. 9

Greek Lyre Sing, 12:30-4 p.m., HUB Ballroom.

Penn State Singers, Amahl and the Night Visitors, 2 p.m., Eisenhower Auditorium.

Sports: men's and women's gymnastics, Penn State Invitational; men's and women's bowling, vs. Temple, 1 p.m.; men's swimming and diving, vs. Lehigh, 2 p.m.

Commonplace Theatre, Everything You Always Wanted to Know About Sex, 7 and 9 p.m., Room 112 Kern.

Unity Christian Ministries, gospel concert with 30-voice choir and 13-piece orchestra, 7 p.m., Frizzell Room, Eisenhower Chapel.

Sunday, Dec. 10

University Chapel Service, 11 a.m., Eisenhower Chapel. Albert Myers, Pa. Council of Churches.

International Fair, noon-6 p.m., HUB Ballroom.

Sports: men's bowling, vs. Villanova, 1 p.m. Phil Ruy Kappa, Lambda Chapter, annual founder's day meeting, 3-5 p.m., Fireside Room, Nittany Lion Inn.

Fourth Annual Messiah Sing-In, 3:30 p.m., Eisenhower Auditorium.

Tree Lighting Ceremony and the Penn State Glee Club, 6 p.m., entrance to Mall, College and Allen Sts.

Commonplace Theatre, Everything You Always Wanted to Know About Sex, 7 and 9 p.m., Room 112 Kern.

Monday, Dec. 11

Late registration deadline.

Last date for March graduates to activate diploma cards in Registrar's Office and pay these fees at Bursar's Office.

Holiday Festival V Concert, Phi Mu Alpha, Marimba Band, noon, Kern Lobby.

Science, Technology and Health/Two Cultures Dialogue, noon, Room 101 Kern. Paul A. Woolley, Jr., health planning, and Jessie Ingle, nursing, on "Appropriate Health Care Technologies for the Aging."

France-Cinema, Cousin, Cousine, 7 and 9 p.m., Room 112 Kern.

Holiday Festival Film, "330,000,000 Gods," from TV's The Long Search, 7:30 p.m., Eisenhower Chapel.

Public Lecture, Dusko Doder, Washington Post, on "A Foreign Correspondent in the Communist World," 7:30 p.m., Room 101 Chambers.

Alani String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Dec. 12

Holiday Festival V International Crafts Demonstration, 11-1 p.m., Kern Lobby.

Trim-the-Tree Concert, Penn State Hilo's, noon, HUB Main Lounge.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Paul B. Harvey, history, on "The Epiphany of Tacitus's Child: Historicographic Aspects of Robert Graves' 'I Claudius'."

Christmas Crafts Demonstrations, 12:30-2 p.m., HUB Main Lounge.

"The Fun in Fun!" a talk by Dr. Mihaly Csikszentmihalyi, University of Chicago, 1:30 p.m., Room 101 Chambers. Sponsored by Colloquium Committee, HPER.

History Colloquium, 2:30 p.m., Room 124 Sparks. Jeffrey Lerner, Columbia University, on "World War I and British Psychology: The Treatment of Shell Shock."



The Waverly Consort will perform Dec. 13 in Schwab Auditorium.

Shakespeare film, Olivier, Richard III, 6:30 p.m., Room 101 Chambers. Free.

Comp. Lit. Film Series, Satyajit Ray, Panthar, 7 and 9 p.m., Room 112 Kern.

International Students Reception, 7 p.m., Room 113 Kern.

Holiday Festival Film, "There's No God but God," from TV's The Long Search, 7:30 p.m., Eisenhower Chapel.

Sports: wrestling, vs. Cal. Poly, 7:30 p.m. University Readers, Holiday Readings, 7:30 p.m., HUB Reading Room.

Wednesday, Dec. 13

Holiday Festival V Concert, German Band, noon, Kern Lobby.

Sigma Delta Epsilon, Graduate Women in Science, luncheon meeting, noon, Room 101-A Kern.

Shakespeare film, Olivier, Richard III, 6:30 p.m., Room 101 Chambers. Free.

Holiday Festival Film, "Land of the Disappearing Buddha," from TV's The Long Search, 7:30 p.m., Eisenhower Chapel.

Sports: men's basketball, vs. St. Francis (Pa.), 6:10 p.m.

Artists Series, The Waverly Consort, a Christmas program, 8:30 p.m., Schwab.

Thursday, Dec. 14

Latin American Forum, "A Discussion and Analysis of the Dec. 3 Venezuela Elections," by Profs. David J. Myers and Robert O'Connor, Political Science Dept., 7:30 p.m., Room 112 Chambers.

Holiday Festival V Concert, Rec-Creation Xmas Concert, noon, Kern Lobby.

Holiday Candlelight Dinner, 5-7 p.m., HUB Terrace Room.

France-Cinema, Allegro non troppo, 7 and 9 p.m., Room 112 Kern.

Penn State Dames meeting, 8 p.m., Room 101 Kern.

Friday, Dec. 15

Department of Publications Open House, 9:30 a.m.-4:30 p.m., Spruce Cottage.

Holiday Festival V Concert, Phi Mu Alpha Xmas Choral, noon, Kern Lobby.

Holiday Candlelight Dinner, 5-7 p.m., HUB Terrace Room.

Sports: women's basketball, Lady Lion Classic. International Night, entertainment, 7 p.m., HUB Ballroom.

France-Cinema, Allegro non troppo, 7 and 9 p.m., Room 112 Kern.

Timothy Shuey, piano, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Dec. 16

Holiday Festival V, Children's Christmas Party, 12:30-3 p.m., Walnut Assembly Room.

Sports: women's basketball, Lady Lion Classic; swimming and diving, vs. Syracuse, women, 1 p.m.; men's, 4 p.m.; men's fencing, vs. Army, 1 p.m.; men's basketball, vs. Syracuse, 7-10 p.m.

Commonplace Theatre, Camelot, 7 and 9:45 p.m., Room 112 Kern.

Graduate Commons Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.

Sunday, Dec. 17

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Christmas Concert, All-Faith Choir.

Sports: wrestling, vs. Florida, 2 p.m. Penn State Brass Choral and Glee Club Christmas Concert, 3 p.m., Schwab.

Graduate Commons Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.

Commonplace Theatre, Camelot, 7 and 9:45 p.m., Room 112 Kern.

Seminars

Thursday, Dec. 7

Computation Center, "APL (3 of 6)," for users of research accounts, 7:30 p.m., Room 108 Forum.

Friday, Dec. 8

Analytical Chemistry, L. Sliker, graduate student in chemistry, on "Enzyme Electrodes," 11-10 a.m., Room 333 Whitmore.

Monday, Dec. 11

Biochemistry and Biophysics, G. Rovera, Wistar Institute, Philadelphia, on "Friend Erythroleukemia Cells as a Model to Study Terminal Erythroid Differentiation," 3:55 p.m., Room 101 Allhouse.

Computation Center, "APL (4 of 6)," 7:30 p.m., Room 108 Forum.

Tuesday, Dec. 12

Biochemistry and Biophysics, G. Rovera, Wistar Institute, on "Expression of Clobin Genes During Differentiation of Friend Cells," 11-10 a.m., Room 101 Allhouse.

Research Applications of Computers, Raymond T. Yeh, computer science, University of Texas, Austin, on "A Multi-Level Approach to Data Base Design," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Donald Tennant, West Penn Power Co., Greensburg, on "Water Pollution Abatement in the Power Industry," 2:20 p.m., Room 271 Willard.

Physical Chemistry, J.M. MacLeod, Harzberg Institute of Astrophysics, on "Long Carbon Chain Molecules in Interstellar Space," 4 p.m., Room 445 Davey.

HPER, Dr. M. Csikszentmihalyi, U. of Chicago, on "Flow Experience: A Theory of Enjoyment," 7:30 p.m., Room 111 White.

American Society for Metals, L. Kramer, Westinghouse Turbine Division, 7:30 p.m., Room 301 Seidle.

Wednesday, Dec. 13

Biology/Ecology/Entomology, David Sloan Wilson, UC-Davis, on "The Concept of Function in Biological Communities," 4 p.m., Room 112 Kern.

Penn State Mining Engineering Society, Thomas J. Whyte, Pittsburgh lawyer and formerly with Consolidation Coal Company, on "Legal Implications of the National Bituminous Wage Agreement," 7:30 p.m., Room 26 Mineral Sciences.

Thursday, Dec. 14

Genetics Symposium, Ronald Yasin, microbiology and cell biology, opening remarks, 11 a.m.; Jean MacCluer, biology, on "Fertility and Mortality Effects on Darwinian Fitness in Man," 11:05 a.m.; Robert Eckhardt, anthropology, on "Analyzing a Natural Experiment in Human Evolution," 11:40 a.m.; Betsy Sutherland, Brookhaven National Laboratory, on "Photoreactivation in Normal and Xeroderma Pigmentosum Cells," 1:30 p.m.; Mary Judith Thevethia, microbiology (Hershey), on "Genetic Aspects of the Oncogenic Virus SV40," 3 p.m.; Abraham Rosenberg, biological chemistry (Hershey), in "The Enzyme Defect in Gaucher's Disease," 3:45 p.m., HUB Assembly Hall.

Chemistry, Lowell P. Hager, University of Illinois, on "Halometabolites: Biosynthesis and Function," 12:45 p.m., Room 333 Whitmore.

Meteorology, Gregory Forbes, PSU, on "Thunderstorms, Tornadoes, Suction Vortices and Downbursts," 3:55 p.m., Room 112 Walker.

Computer Science, Joseph Ja'Ja', PSU, on "On the Complexity of Matrix Multiplication and Other Bilinear Forms with Commutativity," 4 p.m., Room 325 Whitmore.

Computation Center, "APL (5 of 6)," 7:30 p.m., Room 108 Forum.

Friday, Dec. 15

Analytical Chemistry, J.E. Campana, graduate student, chemistry, on "A CC-MS Data System," 11:10 a.m., Room 333 Whitmore.

Ecology, Anne B. Clark, UC-Davis, on "Myth of the Solitary Bush Baby," 3 p.m., Room 101 Kern.

Computation Center, "APL (6 of 6)," 7:30 p.m., Room 108 Forum.

Exhibits

HUB Gallery: Waskewich Galleries Ltd. print sale and exhibition, through Dec. 8; original San Francisco poster for Holiday Festival V exhibit, opens Dec. 10; Dr. Corrado Letta, color photographs from around the world, opens Dec. 10.

Kern Commons Gallery: international artifacts and "Vision of Peace in Paintings," both through Dec. 17; French Cultural Services, Serve Louvat and Jean DeBire, photographs from the turn-of-the-century.

Museum of Art: sculpture, European paintings, drawings and sculpture, and 20th century American paintings, all from the permanent collection.

Zoller Gallery: exhibit of works by Penn State University faculty.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Department. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Dec. 14, 1978. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

TICKET SUPERVISOR, UNIVERSITY ART SERVICES - University Park. Responsible to the Manager, Artists Series, for the recording and accounting for all ticket sales, coordination of the sales of subscription and nonsubscription tickets, and contact with patrons. The candidate will be expected to gather data and prepare reports and to exercise imagination and critical judgment in developing new systems and procedures. In addition, the candidate will supervise ticket sellers and oversee the preparation of cash receipts reports and processing of various financial documents. A bachelor's degree or equivalent is required, preferably in accounting, plus one to two years of directly related experience in theatre and box office work. Computer experience highly desirable.

MEDICAL ILIUM, COLLEGE OF MEDICINE - Hershey. Responsible to the Manager of Educational Resources for the creation and production of medical art used in teaching, research and patient care. Bachelor's degree in medical or biological art, plus over one and up to two years of directly related experience.

Senate Committee on Undergraduate Instruction

Grade Distribution Report



Editor's note: The following charts are from an informational report presented at the Dec. 5 Senate meeting.

Distribution of Grades, Baccalaureate Courses

Resident Instruction, All University

Spring Term 1971 (Before Any Major Changes in Academic Policies)									
A	B	C	D	F	W	P	P _s	F ₁	
28.4	33.8	20.3	5.5	2.9	2.5	0.3	4.6	0.4	
Spring Term 1973 (First Term M3E Effective) ^a									
A	B	C	D	F	W	P	P _s	F ₁	
30.4	33.0	19.6	5.3	3.3	2.5	0.2	4.0	0.3	
Spring Term 1975 (Last Term M3E in Effect For All Students) ^b									
A	B	C	D	F	W	P	P _s	F ₁	
29.8	33.1	20.4	5.7	3.7	2.3	0.2	2.9	0.2	
Spring Term 1976 (First Term 8-Week Drop Rule in Effect) ^c									
A	B	C	D	F	W	P	P _s	F ₁	
28.0	32.6	20.1	5.8	3.0	4.1	0.1	2.5	0.1	
Spring Term 1977 (8-Week Drop Rule in Effect) ^d									
A	B	C	D	F	W	P	P _s	F ₁	
28.3	32.2	20.1	5.7	2.7	5.5	0.1	2.4	0.1	
Spring Term 1978 (8-Week Drop Rule in Effect) ^e									
A	B	C	D	F	W	P	P _s	F ₁	
29.9	34	22	6	3	6	-	-	-	

Notes:

^a1247 Course Repeat Forms Processed

^b2379 Course Repeat Forms Processed

^c1202 Course Repeat Forms Processed; 5599 Course Drop Forms Processed (4th-Rch Week)

^d163 Course Repeat Forms Processed; 7866 Course Drop Forms Processed (4th-8th Week)

^e61 Course Repeat Forms Processed; 7422 Course Drop Forms Processed (4th-Rch Week)

Distribution of Grades, Resident Instruction

Baccalaureate Courses

Table 1. All-University - Percentage of Grades Given in Baccalaureate Courses

Course Level D-499									
Spring Term	A	B	C	D	F	W	P _s	F ₁	
1974	31.5	33.3	19.5	5.3	3.2	2.2	3.2	0.2	
1975	29.8	33.1	20.4	5.7	3.7	2.3	2.9	0.2	
1976	28.0	32.6	20.1	5.8	3.0	4.1	2.5	0.1	
1977	28.3	32.2	20.1	5.7	2.7	5.5	2.4	0.1	
1978	28.6	33.5	21.8	6.1	2.7	6.0			[No longer applicable]
Table 2. Percentage of Grades Given in Baccalaureate Courses, Level D-499, by Colleges at University Park for the Academic Year 1977-78 (F'77, F'78, Sp'78).									
	A	B	C	D	F	W	P _s	F ₁	Number
AR	32	39	19	5	1	3			15,756
AAA	32	37	20	4	2	5			24,318
BA	33	34	27	7	2	6			28,794
BHS	28	37	22	6	2	4			14,966
Ed	53	31	9	2	1	4			17,408
EngC	26	35	23	8	3	6			29,374
HPER	49	36	8	1	1	5			28,158
H Rev	31	40	20	4	1	4			25,915
La	27	35	23	6	2	6			85,397
Sci	20	29	26	10	4	10			70,229
Intercollege & Interdisciplinary	42	37	12	3	1	3			336
ROTC	35	39	19	3	1	3			1,927
Total Univ. Pk.	29	34	21	6	2	6			342,578

*Percentage of distribution will not always total 100% due to deferred grades, audits, NC, and R grades

**Includes symbols of WP, WN, and WF

Senate Committee on Libraries

An Informational Report



In responding to the present state of the University's finances, all of us, including the University Libraries, are making efforts to make do with less. Over the next five years we have been assessed an annual amount ranging from \$54,000 to \$76,000, almost all of which must come from personnel budgets in an effort to preserve the book and journal funds essential to the health of the teaching and research programs.

The Senate has been informed in the past of the problems inflation has caused us, but the constraints are not only financial. Reductions in enrollment do not, in our experienced judgment, significantly reduce the demands made on the libraries. Ten graduate students require access to the same resource as 15, 20 or 30. Large reductions in upper-division classes may affect the need for duplicate copies for reserve, but without agreement on, say, the ten best books for each subject, the total range of resources required will not be reduced. Only the discontinuation of entire academic programs will do that, and experience suggests that even were that to happen, library changes are likely to be minimal in view of the continuing literary nature of contemporary teaching and research.

Our only choice is to reduce the labor-intensive nature of most operations and increase productivity principally by taking advantage of new technologies, mostly those that are computer based. Since 1974 we have been developing a computer system for the library, supported by internally-generated funds from our budgets save for the original capital investment in the computer equipment.

At this point, we have catalog cards computer-produced on contract by the Ohio College Library Center, Inc. and are engaged in the production of an online cataloging data-base. This, however, is a long-term system behind the scenes effort. Our first public system will be an automated circulation system which we plan to phase in during Winter Term as the first segment of a larger inventory control system.

The new system will be a transaction system requiring the matching of borrower and item identification. Each library user will be issued a library card (in the case of students registering in Fall Term 1978 and later at University Park, this will be the same as the identification card) which will entitle the user to borrow materials in accordance with the library's regulations. The material to be borrowed will be coded (in the same manner as items in, say, a supermarket)

with a unique identification. These records will be matched at the circulation terminal to complete the issue of the borrowed material. The clearance of returned material will be carried out in a similar manner, thus enabling us to dispense with the time-consuming handling of individual transaction cards. As the system shakes down in use, it will be extended to locations outside Pattee and to other kinds of activities such as personal reserves.

Quite apart from reducing the time taken to complete each activity, the incorporation of all circulation transactions into a single machine-accessible file will enable the library staff to respond more readily and more completely to aspects of circulation which now require a great deal of time, such as recalls, reserves and overdues. Although the latter may appear to have negative overtones, the ability to locate all material and to recall it quickly if necessary will significantly improve the use that borrowers can make of a collection that is really quite small in relation to the community served.

To achieve the highest possible use of limited resources by as many users as possible requires that those resources share access to those resources. This in turn requires that the libraries should provide both controls and restraints to balance collective and individual needs. We have, over the last several months, been discussing the policies, developed by a number of University Libraries' faculty and administrators, on which our lending practices should be based. These discussions have included the Senate Committee on Libraries and the Office of the Provost. The policies are those that in our professional judgment will best serve the research and study needs of the University community.

At present the basic loan period of four weeks has been established for all materials except those circulating on special permission for two hours or overnight. Renewals, for books not required by any other borrower, will be permitted twice. At the expiration of the second renewal period all books will have to be returned. This is in accordance with practice at other major research libraries where the physical wear and tear of books has been discovered to encourage rather than to discourage their use since many prospective borrowers do not pursue what is to them a missing book. Materials on loan can be requested, as at present. They will be recalled for the purpose.

If the purpose of sharing our limited resources is to be attained, some means of

enforcement is required in the case of serious offenders. All borrowers will be asked to adhere to the terms of a simple contract; namely to return materials on the date on which they are due or to renew the loan. When material on regular loan becomes overdue, each borrower will be reminded of this fact by a computer-generated notice. If it is still not returned, after a search of the library stacks finds no trace of the book, a notice of presumed loss will be sent out. If the material is indeed lost, its replacement cost and the cost of processing will be charged to the borrower together with a fee to cover the cost of searching and processing the notices. If the book is returned, only the cost of searching will be charged, since this is an expense the library ought not to have to bear.

Although these may sound like severe measures, they are simply based on those already in existence but which we have been unable to enforce equitably because of the internal personnel costs involved. Nor do we expect that these penalties, or the mere draconian one of withdrawing borrowing privileges, will require frequent invocation. It is, however, necessary to deter the tendency to accumulate what are, in effect, private libraries to the detriment of other users' needs. We are asking your cooperation in this effort to ensure wide access to the Libraries' collections.

Borrower registrations will begin during student orientation for Winter Term and continue through Winter Term according to schedules which will be widely announced. Test circulation will begin during January and will be extended as staff become familiar with the new procedures. These extensions will also be announced. It has not yet been determined when the new system will be made available from service points outside Pattee, but the present tentative schedule suggests during the Spring Term. We also plan to reduce the manual files to minimal size during the next six months prior to eliminating such procedures as part of the regular circulation system. The steps that will be taken to accomplish this will also be announced at the appropriate time. If this approach sounds cautious, it is. We do not want to offer any specific service in a specific location before we are ready and able to cope with it. In this way we hope to reduce the difficulties always experienced when introducing new systems, and to smooth the transition period.

In the future, we will share with you our progress on further parts of the total automated system particularly those relating to new ways of access to bibliographic information.

Stuart Forth
Dean of University Libraries

Holiday festival

(Continued from page 1)

understanding of their cultures.

Students representing 12 international organizations will perform.

The Graduate Commons will present its annual Madrigal Dinner and Concert at 6:30 p.m. Saturday and Sunday, Dec. 16 and 17, at the Kern Graduate Building. Diners will be treated to a 15th century old English yuletide feast and court rules will be observed. Ticket information is available at the Kern Building information desk.

The children's party will be held at the Paul Robeson Cultural Center at 12:30 p.m. Saturday, Dec. 16.

The Christmas Concert of the Penn State Brass Choral and Glee Club will be held at 3 p.m. Sunday, Dec. 17, in Schwab Auditorium, and ongoing art exhibits will be held in the HUB and Graduate Commons Galleries.

The Department of Religious Affairs is sponsoring a chapel service, several concerts including a "Messiah Sing-in," and a number of films.

In addition to the Madrigal Dinner and Concert, the Graduate Commons has also scheduled concerts and a demonstration of craft techniques. Specific dates and times appear in calendar on page 3.

Artists Series

(Continued from page 1)

Houston Balle's full-length production of "Sleeping Beauty," which will be presented Saturday evening, March 17, and again at a Sunday matinee on March 18. Tapping another area of dance expression, The Arthur Hall Afro-American Dance Company will trace black dance from its African origins to its contemporary expression in American jazz and modern forms on Friday, April 20.

All orders for tickets, including phone orders, may be charged to VISA or Master Charge. Phone orders may be placed by calling 863-0253 during the sale days. For further information, phone the Artists Series office, 865-1871.

Arts Roundup

Waverly Consort to perform Renaissance, medieval music

The Waverly Consort will present medieval and Renaissance music during Christmas season at 8:30 p.m. Wednesday, Dec. 13, in Schwab Auditorium. This program is sponsored by the Artists Series and is part of the Fine Arts Series.

Regarded among the foremost performers of early music, the Waverly Consort is now in its twelfth season of international concertizing. In addition to outstanding singers who specialize in music of the medieval, Renaissance and Baroque periods, the group features virtuoso instrumentalists who play authentic instruments of the times, including violas da gamba, recorders, sackbuts, shawms, dulcians, lutes, krumphorns, rauschpfeife, zinks, racketts, kortholds, and others.

Under the direction of Michael Jaffee, the group will present *The Christmas Story as Told in the Sacred Music of the Middle Ages*, vocal selections from Praetorius's *Musae Sionae*, "instrumental dances from his *Terpsichore Musarum*," Josquin des Prez's "Ave Maria," Giovanni Gabrielli's "O Magnum Mysterium," a group of Spanish villancicos, and a selection of Renaissance Motets including Jan Pieterszoon Sweelinck's *Hodie Christus natus est*.

Tickets will be sold Dec. 11, 12, and 13 from 9 a.m. to 4 p.m. at the Eisenhower Auditorium box office and the Artists Series HUB Booth.

Alard concert on Dec. 11

The Alard String Quartet, the University's quartet-in-residence, will present a concert at 8:30 p.m., Monday, Dec. 11, in the Music Building Recital Hall.

Assisting the Quartet for this concert will be Diane Gold, flutist, and Deborah Jones, double bassist.

The program will open with Haydn's *Quartet in D Major*, opus 76, No. 5. Following the Haydn piece will be the *Divertimento for Flute and Strings* by Katherine Hoover, a New York composer. Ms. Gold will join the Alard for the Hoover piece and for the *Theme and Variations for Flute and String Quartet* by the late pianist and composer Mrs. H.H.A. Beach.

Ms. Jones will join the Alard for the *String Quintet in C Major*, opus 77 by Anton Dvorak.

The Alard String Quartet is composed of Joanne Zagst Feldman and Donald Hopkins, violinists; Raymond Page, violist; and Leonard Feldman, cellist. All are associate professors of music.



Wood sculpture by Richard Lipscher (Shenango Valley) in Zoller show.

Art faculty exhibit

"The State of the Art of Art at Penn State" is the title of an exhibition of works by University faculty members which will run through Jan. 7 at the Zoller Gallery.

Works by 30 University faculty members are included in the show, which Gallery director William Kinsler describes as an exhibition of current pieces, "current in that what form the artist's work is assuming today certainly is not precisely the form it took in the past, nor is it exactly as we will find it in the future."

The works are in many media and represent all areas of concentration within the Department of Art — ceramics, drawing, graphic design, painting, photography, printmaking and sculpture. Works of art by faculty throughout the Penn State system are on display.

In his introduction to the exhibition's catalog, James R. Shipley, acting head of the Department of Art, points out that unlike exhibitions in which works are selected for inclusion by an individual judge or panel of jurors, a faculty art show presents works that are selected for exhibition by the artists themselves.

"Therefore, faculty shows do not reflect the judgment or the taste of others, but are entirely what the artist wishes to exhibit," Prof. Shipley writes, adding this self-selection provides gallery-goers generally "and especially the artists themselves with the best measure available of the state-of-the-art of art at that particular school."

Work by two newly discovered French photographers at Kern

Two previously unknown, turn-of-the-century French photographers are the subject of an exhibit at the Kern Commons Gallery which will run through Dec. 30.

The photographs were culled from a collection of some 5,000 glass negatives made by Serge Louvat and Colonel Jean de Bire. Louvat was a wealthy amateur photographer who left a record of Parisian life, including many street scenes. Colonel de Bire was a nobleman who recorded the life of the landed gentry in his native Brittany. Most of the plates he left date from 1892-1906.

The original glass negatives were printed using techniques pioneered by Alphonse Poitevin (1819-1882), the inventor of gelatino-bromure, photolithography, helioplasty and carbon processes. They were made by three young French photographers — G. Rochon, F. Proust and J.P. Huguet — who have devoted themselves to perpetuating early photographic techniques. They work in the original Poitevin atelier, probably the oldest photographic studio in continued use today.



Glee Club album on sale

The Penn State Glee Club's new album, "Pennsylvania Music," is now available from the Penn State Bookstore's Gift Shop on the first floor of the HUB, and from Room 232 Music Building. The album, which was recorded in April 1978, is a part of the Glee Club's 90th anniversary celebration.

"Songs of the Mines," five folk songs documenting the hardships of the miner's life, open the first side of the album. "Lord I Want More Religion," a Pennsylvania spiritual collected by folklorist Samuel Bayard, is featured on the album's first side; and two poems by e. e. cummings — "Sam Was a Man" and "Jimmie's Got a Gail," which have been set to music by Pennsylvania composer Vincent Persichetti — close the first side of the album.

Selections from the Pennsylvania Bicentennial Wagon Train Show are featured on the album's second side. The album concludes on a familiar note with an arrangement of the folk song "Shenandoah," several Penn State fight songs and the Alma Mater.

The cost of the album is \$6, or \$7 if purchased by mail.

WPSX Highlights

Britain's outrageous comedy troupe, Monty Python, takes on the legend of King Arthur Saturday, Dec. 9, at 10 p.m. in *Monty Python and the Holy Grail*, part of the series Cinema Showcase. The humor runs the gamut from broad sight gags to sophisticated verbal comedy. *Time Magazine* called the film "as funny as a movie can get."

Burgess Meredith narrates a glimpse into the strange and unusual world of wildlife in Africa's Namib Desert on *The Living Sands of Namib*, a National Geographic Special which returns Sunday, Dec. 10, at 8 p.m. The one-hour special captures life in the dunes, where temperatures reach as high as 170 degrees, through the photography of David Hughes, who spent a year in the coastal fog desert studying desert fauna. Among the animals depicted are the sand lizard, the golden mole, dune beetles, wasps, and trapdoor spiders, and the snake eagle.

Sunday, Dec. 10, at 10 p.m., the Chamber Music Society of New York makes its debut on *Great Performances: Live From Lincoln Center*. The performance, given earlier in the day in the Alice Tully Hall at Lincoln Center, is a program of Beethoven, Brahms, and Mendelssohn. Among the guest soloists appearing is violinist Itzhak Perlman.

In recent years, the laser has been refined to permit precise probing into atomic structure and other properties of matter. It can be used to break molecular bonds and make new chemical compounds. Monday, Dec. 11, at 8 p.m., Nova explores the laser's potential, both in scientific and domestic use, on *Light of the Twenty-First Century*.

The Smithsonian Institution's collection of air and space craft in the new Air and Space Museum serves as the inspiration for *A Place of Dreams*, a one-hour special about mankind's persistent fascination with the possibility of flight. Using vintage photographs, early newsmen of flight pioneers, displays from the Smithsonian, and interviews, the program serves as a history of modern flight and a celebration of the collection itself. The program can be seen Wednesday, Dec. 13, at 8 p.m.

WPSX-TV will carry recorded coverage of the Nobel Prize ceremonies held Dec. 10 in Sweden in a special 90-minute presentation, *The Nobel Prize*, Thursday, Dec. 14, at 9 p.m. In addition to providing official coverage of the ceremony, the program will feature documentary portraits of the 1978 laureates for physiology, chemistry, physics, economics, literature and peace.

Faculty can initiate own teaching opportunities through Continuing Ed

Continuing Education needs YOU!

Dr. Bonnie Johnson, assistant professor of speech communication, got that message some three years ago and has been acting on it ever since. And so have Dr. Jo C. Searles, assistant professor of English (Altoona), and many other Penn State faculty members around the State.

Now Drs. Johnson and Searles are serving as faculty coordinators for program development in the Commonwealth Campuses and Continuing Education Office, Room 102 Sparks, and they're eager to facilitate faculty projects for adult learners.

"In a University bureaucracy you can sit around and wait to be called to teach in Continuing Education, or you can use your representatives in the Statewide system as an entrepreneurial system," Dr. Johnson points out. "You can initiate your own opportunities for interesting teaching and extra income."

Adds Dr. Searles, "There's a large potential audience in the State, persons who could see Penn State as an exciting place to come for help and for community enrichment. Many faculty members at the Commonwealth Campuses have excellent

ideas for community-oriented programs.

Our job is to help attract that audience to the faculty and the Campuses."

Dr. Johnson first became involved when asked to do a program at Hershey on "Communication for Health Care Organizations."

"When I presented the program," she explains, "I found that some participants also wanted to learn about performance appraisal. So I sent the area representative a short description of the probable content and audience for such a workshop on appraisal interviewing. The brochure she sent out attracted twice as many persons as I'd expected, so I presented the program twice within a month."

Since that time, Dr. Johnson has developed other programs based on the ways people learn to work with others: a combined program on selection and performance appraisal viewing; one with Thomas W. Benson, professor of speech communication, on communication between men and women; and her favorite, "Effective Use of Personal Contacts."

Continuing Education courses are offered on a variety of topics, from specific, practical topics such as Dr.

Johnson's to those with broad, humanistic concerns. An example of the latter is a course developed and given at the Altoona Campus by Dr. Searles on "Images of Women and Men in Contemporary Writing."

Statewide CE courses vary in both format and credit, depending on the area, the subject, the audience, and the teacher. One-day informal workshops often work best for faculty who give programs at a distance from their homes; more extended programs can be offered weeknights or weekends for adults in a given area. Continuing Education area representatives choose programs, prepare and mail brochures to specific audiences, and handle arrangements.

"Right now area representatives get most of their ideas from other representatives," Dr. Johnson notes. "They should be getting many fresh ideas from faculty."

According to Dr. Searles, the possibilities are numerous. "A short discussion with a faculty member," she says, "frequently uncovers a wealth of ideas. We want to help faculty members to develop and offer programs in their areas

of special interest, programs that can benefit both their own professional development and the adults who share their interests."

Now is the time for faculty to define their ideas for Continuing Education programs. Faculty in the College of the Liberal Arts should get in touch with Drs. Johnson and Searles, who can help focus their ideas and facilitate arrangements.

Faculty in other Colleges at University Park should contact their Associate Deans for Continuing Education. At the Campuses, CE representatives are always eager to hear about new ideas.

"It takes a minimum of faculty time to outline a prospective program," says Dr. Johnson. "Once we have a viable idea, we can plan the details."

"The market for continuing education in the humanities is less obvious than in many other fields. Therefore, we are giving special attention to expanding offerings for adults in the humanities," notes Dr. Searles. "The title of our effort in this direction is the Humanities Continuation Program. We would like to aid faculty in extending the horizons of adults throughout the State, whatever their occupations or interests."

News in Brief

United Way continues

A second effort is being made to bring the Penn State United Way campaign to a successful conclusion, according to Dr. Stanley O. Ikenberry, senior vice president for administration and campaign chairman for University Park.

Dr. Ikenberry met today with campaign committee members from each of the 10 Colleges and from each administrative division. It was decided to make a special appeal to employees who have not yet taken to the United Way this year, especially those who have given consistently in the past but have not contributed to the current campaign.

As November ended, 1,104 University Park employees had donated a total of \$75,000 toward the United Way goal of \$95,000. The second effort must raise the additional \$20,000 needed to reach the goal.

Any person who has not donated to the United Way campaign will be urged to do so now. The payroll deduction plan may be used as a convenient way to spread the contribution over a year's time.

Dr. Rao appointed

Dr. Srikanth Rao, assistant professor of business logistics, has been appointed head of a new program in Transportation Policy Analysis at the Pennsylvania Transportation Institute.

In making the announcement, Institute Director Dr. Thomas D. Larson said that the new program and Dr. Rao's appointment come in "recognition of the fact that transportation decision-makers increasingly require guidance in making policy."

As part of a current research program for the Pennsylvania Department of Transportation (PennDOT), Dr. Rao and Dr. Larson, professor of civil engineering, are examining State transportation policies and investments that would be cost-effective in accommodating the future development and use of coal.

In 1976, Dr. Rao headed a technical effort at the Institute which analyzed the fiscal situation facing highway transportation in Pennsylvania. The report resulting from this study, entitled "New Directions for PennDOT," has gone into several printings, with more than 14,000 copies distributed to date.

Dr. Rao completed his undergraduate studies at the Massachusetts Institute of Technology, earning degrees in both mechanical engineering and management. His doctorate was earned at Penn State.

Phi Beta Kappa to meet

The Lambda Chapter of Phi Beta Kappa will hold its annual founder's meeting from 3 to 5 p.m. Sunday, Dec. 10, in the Fireside Room of the Nittany Lion Inn. Election of officers is scheduled. Sherry and cider will be served.

Penn State Room to close over lunch hour

Effective immediately, the Penn State Room in Pattee Library will close from noon to 1 p.m. Monday through Friday.

Press bestseller in book show

Gymnastics Safety Manual, the bestselling title on the Penn State Press's list, is included in the 1978 Book Show sponsored by the Association of American University Presses (AAUP). The show is on display in the Kern Commons today and tomorrow (Dec. 7-8) from 10 a.m. to 4 p.m.

The *Gymnastics Safety manual* was edited by former Penn State gymnastics coach Eugene Wettstone. It was recognized by the AAUP for its excellence in design and production under strict budgetary limitations.

The AAUP Book Show includes 49 volumes from member presses of the association and will travel throughout the United States and Canada.



The Inn's new color-coordinated scheme is the work of Barbara Dorn.

Guest rooms at Nittany Lion Inn are redecorated, air conditioned

All of the 150 sleeping rooms at the Nittany Lion Inn have been completely refurbished and air conditioned, the result of a redecorating project begun a year ago.

Everything old and worn in each room has been replaced, according to the Inn's general manager, William C. Bohm, but at the same time, every effort was made to retain the warm colonial atmosphere for which the Inn is known.

The rooms now sport new wall coverings, drapes, carpeting, mattresses, bedspreads, paint, furniture, lamps, and window blinds. Artwork with Pennsylvania Dutch designs was incorporated into the color-coordinated decorating scheme designed by decorator Barbara Dorn.

"We also created a few studio-type bedrooms to be used as a living room by day, a bedroom at night," Mr. Bohm says. "We did that because some guests want to use their accommodations during the day for business, and prefer doing this in a 'sitting room' environment rather than in a bedroom."

"Another feature of the studio rooms is that most of them connect to adjacent bedrooms to form a luxury suite if the guest requires more space."

The internal facilitating doesn't end with the completion of the sleeping rooms.

"Other refurbishing yet to be done will include most of the public areas — the lobby, dining and banquet rooms," Mr. Bohm explains.

The Penn State Press's Manual was prepared under the editorial direction of John Pickering, designed by Glenn Ruby and produced under the supervision of Janet Dietz.

F. Lee Bailey to speak

For its first Winter Term program, Colloquy is bringing one of the nation's leading trial lawyers, F. Lee Bailey, at 8 p.m., Thursday, Dec. 7, in Recreation Building. Mr. Bailey has served as the defense counsel for Patricia Hearst, the Boston Strangler, Dr. Sam Sheppard, and Sid Vicious.

There is no charge for Colloquy programs, and no tickets are needed for admission.

Poetry prize offered

The Academy of American Poets is offering a prize of \$100 for a poem or group of poems submitted by undergraduates of the University. Entries will be judged by John A. Balaban, associate professor of English; John E. Haag, associate professor of English; and Jack B. McManis, assistant professor of English. Undergraduates should submit their poems before April 1, 1979, to the Department of English, Room 119 Burrows Building. The award at Penn State is made possible by a grant from the Office of Gifts and Endowments.

Redecorating the public areas is particularly important, he says, because nationwide surveys have shown that the most influential factor contributing to the guest's sense of pleasure is a unique, exciting, visual environment.

All this, he explains, is being undertaken as part of a plan "to make the Nittany Lion Inn known as a really fine hotel, one of the finest in the state."

Mr. Bohm is a 1955 graduate of the University with a B.S. in restaurant and hotel administration. He managed Princeton University's Nassau Inn for nine years and then worked as a senior staff person for the American Hotel & Motel Association, where he was in charge of industry research and operational consulting.

Mr. Bohm reminds that, in addition to its room accommodations, the Inn serves breakfast, lunch and dinner in its various banquet and public dining rooms. It can serve a banquet to as many as 300 persons, or as few as 10. It also has a unique cocktail lounge.

The Nittany Lion Inn is owned and operated by the University, which considers it an "auxiliary enterprise" responsible to the vice president for business.

Because the Inn must be totally self-supporting, Mr. Bohm points out, it has to make itself as attractive as possible to the public.

Foreign correspondent to give talk Dec. 11

Dusko Doder, a member of the staff of the Washington Post, will give a talk, "A Foreign Correspondent in the Communist World," at 7:30 p.m. Monday, Dec. 11, in Room 101 Chambers Building.

The author of the book, *The Yugoslavs*, published last year by Random House, Mr. Doder is a Yugoslav native who came to the United States after World War II. He graduated from Washington University in St. Louis and took master's degrees from Columbia in both journalism and history.

After working for the Associated Press in this country, he became the Moscow correspondent of the United Press. At the Post, he has served as assistant foreign editor and is a State Department correspondent. From 1973-76, he was chief of the Post's East European Bureau.

Publications moves to Spruce

The Department of Publications has moved from Room 217 Wagner Building to Spruce Cottage, located between Pine and Birch cottages behind Rittenour Health Center. The department's new telephone number is 863-1870.

Faculty and staff will be welcomed at an open house to be held from 9:30 a.m. until 4 p.m. Friday, Dec. 15.

The University Press staff still occupies the offices in Wagner formerly shared by the two departments.

Statewide Faculty Consortium is formed

A Council for the Pennsylvania Faculty Consortium has been formed to foster collaboration in research among institutions for higher education in the Commonwealth.

Impetus for the Council came from a Nov. 10 meeting at University Park of faculty and administrators from the Penn State system; the State Colleges at Lock Haven, California and Shippensburg; Westminster College; and the Pennsylvania Department of Education.

Three guidelines have been adopted by the Council to help achieve its goal of fostering faculty research teams. They are:

- 1) To promote research at the advanced (post-doctoral) level,
- 2) To facilitate teams of faculty joining to carry out projects beyond the resources of a single researcher, and
- 3) To maintain a resource file of the research interests and capabilities of each member to help bring together persons with similar interests.

The Council has received a small grant from Phi Delta Kappa, national honorary graduate organization in education. Initial planning and securing of the grant were carried out jointly by Dr. Helen I. Snyder, associate professor of educational psychology at University Park, and Dr. Eugene Hillon, professor of education at California State College.

Officers of the Council are Dr. Floyd Reisher, Lock Haven State College, chairman, and Dr. Dily Jones, Shippensburg State College, secretary. Dr. Snyder was elected vice-chairman for program planning.

Christmas mail schedule

During the time that University Park offices are closed for the Christmas period — from 5 p.m. Dec. 22 to 8 a.m. Jan. 2 — interdepartmental mail service and U.S. mail service will be suspended.

However, any department which has a special need for delivery of incoming U.S. mail on Dec. 26, 27, 28 or 29 should call University Mail Service, 865-5602, before 5 p.m. Dec. 15 so that arrangements can be made with U.S. Postal Service for delivery.

A department requesting this service is responsible: (1) for assigning an employee to be at work in the building at a specified time to receive the mail, and (2) for receiving all incoming mail for the building in which the department is housed. This is required because U.S. Postal Service sorts incoming mail by building.

Plants for everyone

(Continued from page 1)

think of can be purchased at the greenhouse, as can cyclamens, peperomias, kalanchoes and bromeliads. Almost all of the plants are available in different stages of growth.

How does the greenhouse come by the plants it sells?

They're an "outgrowth" of the Department of Horticulture's teaching and research programs, explains Gary Kling, the sales manager. The poinsettias, for example, are part of an on-going research project conducted by Dr. John W. White, professor of floriculture.

Students take cuttings from specimen plants to learn propagation techniques, and after they've finished their projects, the plants are sold. In the excellent growing conditions existing in the University greenhouses, plants flourish and must be continually cut back. After pruning, the cuttings are started in a "mist house" and ultimately wind up in the salesroom.

Cut flowers — roses, carnations and miniature gladiolas — are available at the greenhouse from time to time — depending on the needs of the teaching program. Students in design courses have first call on them.

The Greenhouse Sales Room is open year-round. After the Christmas season, it will return to its regular schedule and will be open Mondays, Wednesdays and Fridays from 12:30 to 4 p.m.

Penn State Intercom



Dental cards due!

All regular faculty and staff members are reminded that if they have not already completed and returned their dental coverage enrollment cards, they should do so immediately.

The deadline is Dec. 15. Employees who do not elect coverage for their dependents before Jan. 1, 1979, will have to wait three months before they are eligible to be compensated for routine dental procedures. For major procedures, such as orthodontic treatment, the waiting period will be two years.

The enrollment card must be returned to the Employee Benefits Division, Room 133 Willard Building, whether or not dependents are enrolled in the dental plan.

News in Brief

Bookstore Christmas sale

The Penn State Bookstore is holding a student, faculty and staff appreciation sale next week at its HUB and McAllister Building branches.

Most items, with the exception of text books, will be placed on sale at 20 percent off the retail price, and there will be special items on sale at up to 40 percent off list price.

Items included in this sale are art supplies, calculators, Christmas cards and wrapping paper, clothing, gifts, children's books, general trade books, film and "much more."

Sale hours will be Monday, Dec. 18, and Tuesday, Dec. 19, from 8:30 a.m. to 8 p.m. and Wednesday, Dec. 20, from 8:30 a.m. to 5 p.m.

The McAllister Building Bookstore would also like to call attention to its supply of 1979 calendars. More than 150 different calendars are in stock, including ones from the United States, Switzerland, France, Italy and Germany.

Temperatures to be lowered in buildings over holiday

Electric holiday decorations in University buildings are prohibited again this year, according to Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee.

Mr. Zilly also announced that

temperatures will be lowered and ventilation shut off in University buildings during the holiday period, except where doing so would cause a hazard.

This action will start in residence halls at approximately 8 a.m. Wednesday, Dec. 20, and in other buildings Friday afternoon, Dec. 22. Normal temperatures and ventilation will be restored early Tuesday morning, Jan. 2.

Since not all areas may have reached a comfortable condition by 8 a.m. Jan. 2, coats or jackets may be necessary, Mr. Zilly warned.

Mr. Zilly said animal quarters would be maintained at required conditions through the holidays and added that if the cutbacks elsewhere cause conflicts with special events or problems with critical research, J. Carroll Dean, manager of energy conservation programs, should be notified at 863-0538.

Donations asked for family whose home destroyed in fire

Fire recently destroyed the home and most of the possessions of Karen Stitzer, audio visual materials clerk in Audio Visual Services.

Karen, her husband Don, and three sons would appreciate donations of any used household goods such as furniture, particularly a kitchen table, dressers, chairs and lamps. Also needed are appliances in repairable condition.

(Continued on page 4)

Senate passes Scholars plan, discusses budget

Two sets of recommendations leading to the establishment of a University Scholars Program were passed by the University Faculty Senate at its Dec. 5 meeting.

Senators were given six informational reports. Detailed descriptions of the material contained in these reports appeared in the Dec. 1 and 8 INTERCOMS. On the Senate floor, the report made by the Subcommittee on Intermediate Range Budget and Planning elicited the most discussion.

Senate Chairman Lee J. Saperstein read a telegram forwarded to the Senate by President John W. Oswald, who was unable to be present at the meeting. The telegram was an invitation to Dr. Oswald to attend a meeting in Washington on Dec. 5 to explore, with President Carter and other selected educators, the implementation of the new Hubert H. Humphrey North/South Scholarship Program.

The program will bring to this country for specialized training young men and women from all the developing nations with which the United States has diplomatic relations. The purpose of the program is "to help educate a corps group of a new generation of the developing world leaders" in such areas as health services, social work, rural/urban development, legal services education, public administration and communication.

The recommendations for a scholars program, prepared by a Senate Task Force on Programs for Academically Superior Students, ask the President to establish the program with a director, a University Scholars Program Council, and an annual budget.

Recommendations directed to the University Faculty Senate note "that it is the responsibility of each academic unit (college, department, campus) to provide appropriate activities for academically superior students to achieve up to their full potential. It is expected that programs will vary from academic unit to academic unit, but that each unit will have some curricular arrangement for providing special opportunities for superior students."

In introducing the planning and budget report, Subcommittee chairman M. Frank Mallette, professor of biochemistry, pointed out the need for long range planning, noting: "It is nearly axiomatic that funds will be used most efficiently if most needs can be anticipated and suitable priorities established...."

"The planning and budget operations conducted last year," Dr. Mallette continued, "placed emphasis on collection of several types of data on activities of the various programs. This effort has led to a better understanding of the possibilities that exist. The plan for this year calls for some changes in stress toward emphasis on future prospects. As a result, academic units are being asked to forecast their characteristics five years hence and to identify the routes to be followed in attaining these goals. In this way, budget planning is expected to become more programmatically directed."

Senator Robert Frank, professor and head of English, objected to the deadline (Continued on page 4)

VADD cost down, benefits up

Effective Jan. 1, the more than 9,000 faculty and staff members who participate in the University's Voluntary Accidental Death and Dismemberment Insurance program will have their premium payments reduced, and certain benefit coverages in that insurance will be improved.

These improvements were made possible through continued review of the University's insurance program by the Offices of Personnel Administration and Risk Management. All participants will automatically receive the benefits of these improvements.

The premium rates have been reduced by more than 17 percent for employee only coverage and by approximately 10 percent for employee and dependent coverage. The monthly and biweekly payroll deductions will be changed as follows:

Type of Coverage Employee Only	From: Present Rate Monthly-Biweekly		To: New Rate on 1/1/79 Monthly-Biweekly	
\$ 10,000	.50	.23	.41	.19
25,000	1.25	.57	1.03	.48
50,000	2.50	1.15	2.05	.95
100,000	5.00	2.30	4.10	1.90
150,000	7.50	3.46	6.15	2.85

Employee and Dependents	Present Rate Monthly-Biweekly		New Rate on 1/1/79 Monthly-Biweekly	
\$ 10,000	.70	.32	.63	.29
25,000	1.75	.80	1.58	.73
50,000	3.50	1.61	3.15	1.45
100,000	7.00	3.23	6.30	2.90
150,000	10.50	4.84	9.45	4.35

The improvements in the insurance coverage are as follows:

- Where the faculty or staff member has elected to cover his or her spouse and child(ren), the benefit for the child(ren) will be increased from 7½ percent to 10 percent of the principal sum of the policy.
- Where the faculty or staff member is covering child(ren) only, the benefit for the child(ren) will be increased from 7½ percent to 15 percent of the principal sum of the policy.
- The principal sum will be paid for the complete loss of speech and hearing.
- Payment of one-half of the principal sum will be made for the complete loss of speech or hearing.
- Payment of one-quarter of the principal sum will be made for the loss of the thumb and index finger of the same hand.

While these premium reductions and benefit improvements automatically become effective on Jan. 1 for those already in the program, because of the changes, another enrollment period will be provided during the month of January for any presently covered faculty and staff who wish to change their coverage. In any way, or for those faculty and staff not presently participating who wish to elect coverage. The effective date for any (Continued on page 3)

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Feel better at Christmas and help United Way reach the goal. Call 865-2501 and make your pledge by phone. Give as much as you like or as little as \$1 a month... but act today.

Penn Staters

Edward Adams, associate professor of art, is currently featured in a one-man exhibition of sculpture, painted wall reliefs and serigraphs in Saint Louis at the University City Public Library. The exhibition of visual works by Mr. Adams includes 18 pieces and is on view throughout December.

Raymond G. Studer, professor of environmental design, presented a paper at the International Conference on Conditions of Life in the Future, Technische Universität Berlin, Germany, Nov. 23-26.

Dr. Milton Cole, associate professor of physics, recently presented invited lectures at the California Institute of Technology, the Naval Research Laboratory in Washington, D.C., the Argonne National Laboratory, and the Universities of Washington, Michigan, and Waterloo. He discussed "Scattering of Helium Atoms by Graphite Surfaces."

Samuel S. Dubin, professor of psychology, presented the keynote address at the fourth annual Conference on Continuing Professional Education, Engineers Foundation of Ohio, Columbus, Ohio. The topic was "What Can Be Done to Relieve Obsolescence and Establish a Climate Conducive to Individual and Organizational Growth."

The Board of Directors of the National Association for Continuing Higher Education has named **Marlowe Froke**, director of the Division of Media and Learning Resources in Continuing Education, as editor of its journal, *Continuing Higher Education*.

Dr. Gerard J. Brauli, professor of French and Fellow of the Institute for the Arts and Humanities Studies, recently presented two colloquia. He spoke in French on medieval heraldry to the Centre d'Etudes Médiévales at the Université de Montréal, Québec, Canada, and he lectured on "The Song of Roland, 778-1778" before the Medieval Group and foreign languages and literatures departments at the University of Maryland. At the University of Manitoba, he gave a public lecture on "Recent Perceptions of the Song of Roland."

Bookshelf

Although it entered the 20th century economically crippled, China will soon join the ranks of the world's economic powers. Dr. Jan S. Prybyla, professor of economics, predicts in his new book, *The Chinese Economy: Problems and Policies*, published by the University of South Carolina Press.

At present, Dr. Prybyla writes, China is a giant in all respects but one: its ability to feed, clothe, house, furnish with basic goods and services, and keep in good health a very large and growing population. To modernize their economy, the Chinese have mobilized all available resources, but two questions remain: What are the obstacles facing the Chinese? And what are the strategies being used to meet the challenge?

Dr. Prybyla applies these questions to each of the major sectors in China's economy. Taking into account such events as the deaths of Mao Tse-tung and Chou En-lai, and the purge of the radicals, he explains the workings and potential of the Chinese economic model.

He adds to the latest information from Chinese and foreign sources his own observations from a 1974 trip to China and arrives at his conclusion — that "one cannot escape the impression that prospects for the Chinese economy are good." In a relatively short time, perhaps less than two decades, China "will surely join the ranks of the world's economic powers," he writes.

Dr. Prybyla is the author of *The Political Economy of Communist China* and editor of *Comparative Economic Systems*.

Thomas A. Hale, associate professor of French and comparative literature, examines the work of a prominent black author of the French-speaking world in a new book published this month by the University of Montreal Press.

Entitled *Les Ecrits d'Aimé Césaire: Bibliographie Commentée*, the book is a study of the work of Aimé Césaire, a writer and political leader from the overseas French department of Martinique.

Césaire is widely known in the Third World for his essays, poetry, and plays about Caribbean and African life. During the 1930s and 1940s he played a pioneering role in the development of an ethnically-aware literature among blacks in the French-speaking world. Since 1945 he has served as one of Martinique's three deputies in the Assemblée Nationale, France's House of Representatives, and as mayor of the island's largest city, Fort-de-France.

Through Césaire's letters, speeches, poems, plays, and other writings, the reader is shown how Césaire's drive for equality for black French citizens in the overseas departments reflects his literary emphasis on creating a new image for black peoples.

In all, Dr. Hale presents 494 writings with commentary on each. Unlike the critical bibliography, which focuses on major works from an external perspective, Dr. Hale's commented bibliography takes an inside view of the writer's entire output. Texts are examined in chronological order and in the context of other texts. Patterns of ideas are noted and traced between works.

Dr. Marshall H. Kaplan, associate professor of aerospace engineering, is the author of *Space Shuttle: America's Wing to the Future*, published last week by Aero Publishers, Inc., Fallbrook, Calif.

A consultant on the Space Shuttle project for the U.S. General Accounting Office, Dr. Kaplan believes that it will inaugurate a new scientific and economic vista, possibly a new industrial revolution. The introduction of the shuttle, he says, can be likened to that of the trains in the United States, which opened up new territories and made new industries possible.

Using a "you are there" approach, Dr. Kaplan describes the final moments of the launch to take place in autumn 1979, explains the years of preparation, problems and progress, and speculates about the shuttle's implications for the future.

Viewpoint

Penn State Intercom: With the recent conclusion of grading for the fall 1978 term at PSU campuses, the question of grading practices merits comment.

A little while back, I recall reading some discussion about plus/minus grading. After having used plus/minus grading for six years in the City University of New York system, and having not used it this, my first term, at PSU (Worthington Scranton Campus), I conclude what I initially perceived: Plus/minus grading is a fairer and more sensitive system. The recent experience of a number of very close grades (B+, A-) reverting to the very distinct straight letter grades (B, A) underscores the arbitrary nature of the grades assigned in such cases.

While the argument may be offered that the present system has the student "win some and lose some" (this term's B+ may be reported only as a B, but next term's A will be elevated to an A), the issue is one of accurately and fairly reflecting level of performance and/or accomplishment in each course.

I wonder how other faculty members feel about this.

(Dr.) Michael W. Ecker
Assistant Professor of Mathematics
Worthington Scranton Campus

Retirements



Mr. Smith



Dr. Snyder



Mr. Farrand

Charles J. Smith, director of the Ogontz Campus since September 1966, will retire from the University Jan. 1 after 31 years as a faculty member and administrator.

His tenure at Ogontz has seen construction of three new buildings and renovation of other facilities to accommodate an enriched academic and extracurricular program for the student body.

The Campus, established in 1950 through a gift of the former Ogontz School and Junior College buildings and grounds, reached its peak enrollment last term with approximately 1,800 full-time and 200 part-time students registered.

A native of Sharon, Mr. Smith received his B.S. from Penn State in 1942 and his M.S. from Carnegie-Mellon University, both in civil engineering.

He joined the University Park faculty in 1947 as instructor in civil engineering, was named assistant professor in 1949, and associate professor in 1955. He is a registered professional engineer and has conducted research on rainfall-runoff relationships for small watersheds.

Mr. Smith is a member of the American Society of Civil Engineers and a former board member of the Central Pennsylvania Education, the Engineers Council for Professional Development, and the American Association for Higher Education.

At Penn State, he served as vice-chairman of the University Council (1973-76), secretary of the College of Engineering, Industrial and Professional Advisory Council, and as a member of the University Senate and of the former Faculty Advisory Council.

Mr. Smith and his wife, Mary Jane, will continue to live in Abington Township for the present.

Dr. Fred C. Snyder, director of Short Courses and chairman of Correspondence Courses in the College of Agriculture, will retire Dec. 31 with 22 years of service.

Dr. Snyder joined the University staff in 1956 as temporary director of Short Courses. He was appointed to his present position in 1959. He holds B.S., M.S. and Ph.D. degrees from Penn State.

During his tenure, correspondence course offerings grew from 63 with 8,599 enrollees to 114 courses with 22,518 students.

Since 1956, Dr. Snyder has assisted in directing the College of Agriculture Short Course and Conference Program involving more than 500,000 individuals. Each year, about 80 conferences and courses are held with approximately 23,000 participants. He also adopted new procedures and policies for Winter Courses. Since 1956, there have been 1,347 Winter Courses graduates.

Dr. Snyder was the Agency for International Development contact officer for the College of Agriculture from 1956-1973. There have been an average of 90 foreign students annually on short term non-credit programs. A World Census program, initiated in 1969 on an annual basis, has involved 520 participants from 89 foreign countries.

Dr. Snyder served as chairman of the committee on less-than-baccalaureate degree programs and the resident instruction committee on operating procedures of the National Association of Land-Grant Colleges and Universities.

Edward P. Farrand, associate professor of forestry extension, will retire Jan. 1 with almost 28 years of service to the University.

A native of Troy Hills, New Jersey, Mr. Farrand was appointed to the Cooperative Extension Service faculty in 1951. He received two degrees from Penn State, a B.S. in forestry in 1940 and an M.F. in 1962.

Prof. Farrand helped organize the Pennsylvania Maple Syrup Producers' Council in 1963. Currently he serves as the organization's advisor. In 1954 he assisted in forming the Youth Forestry Training Camp held annually at the Stone Valley Recreational Area and served as its director from 1960 to the present.

Mr. Farrand served as chairman of numerous woodland management workshops and forest landowner conferences. He also worked closely with Christmas tree growers, assisting them with production practices and shearing techniques. Since 1951 he has been chairman of the Pennsylvania Farm Show's maple products and Christmas tree exhibits.

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Calendar

Dec. 15-Jan. 5 Special Events

Thursday, Dec. 14

Candlelight Dinner, "Holidays Around the World," live entertainment, 5-7 p.m., HUB Terrace Room.

France-Cinema, *Allegro Non Troppo*, 7 and 9 p.m., Room 112 Kern.
Latin American Forum, 7:30 p.m., Room 112 Chambers. David J. Myers and Robert O'Connor, political science, on "A Discussion and Analysis of the Dec. 3, 1978 National Elections in Venezuela." 4 p.m., Room 101 Kern.
Penn State Dames meeting, 8 p.m., Room 101 Kern.

Friday, Dec. 15

Department of Publications Open House, 9:30 a.m.-4 p.m., Spruce Cottage.
Holiday Festival V Concert, Phi Mu Alpha Christmas Choral, noon, Kern Lobby.
Sports: women's basketball, Lady Lion Classic. Penn State Model Railroad Club Open House, 2-4 and 6-8 p.m., Club Room, HUB basement.

Candlelight Dinner, "Holidays Around the World," live entertainment, 5-7 p.m., HUB Terrace Room.

International Night, entertainment, 7 p.m., HUB Ballroom.

France-Cinema, *Allegro Non Troppo*, 7 and 9 p.m., Room 112 Kern.

Timothy Shuey, piano, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Dec. 16

Holiday Festival V Children's Christmas Party, 12-3 p.m., Walnut Assembly Room.
Sports: women's basketball, Lady Lion Classic; swimming and diving, vs. Syracuse, women, 1 p.m., men, 4 p.m.; men's fencing, vs. Army, 1 p.m.; men's basketball, vs. Syracuse, 7:10 p.m.

Penn State Model Railroad Club Open House, 2-4 and 6-8 p.m., Club Room, HUB basement.

Graduate Commons Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.
Commonsplace Theatre, *Camelot*, 7 and 9:45 p.m., Room 112 Kern.

Sunday, Dec. 17

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Christmas Concert, All-Faith Choir.

Sports: wrestling, vs. Florida, 2 p.m.
Penn State Brass Choral and Glee Club Christmas Concert, 3 p.m., Schwab.

Graduate Commons Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.
Commonsplace Theatre, *Camelot*, 7 and 9:45 p.m., Room 112 Kern.

Monday, Dec. 18

Pass/Fail.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Dec. 19

Pass/Fail.



Sculpture by Stephen Porter from Zoller Gallery show of works by Art Department faculty members.

Sports: men's basketball, vs. Colgate, 8:10 p.m.
Winter term holiday recess begins, 9:55 p.m.

Monday, Dec. 25 through

Holiday, University offices closed.

Wednesday, Jan. 3

Winter Term classes resume, 8 a.m.
Drop deadline.
Preregistration deadline for Spring Term.
Course repeat deadline.
Pass/Fail.

Sports: women's basketball, vs. Illinois State, 7 p.m.

Thursday, Jan. 4

Last date for written foreign language examinations (other than French and Spanish) for advanced-degree candidates.
Sports: men's basketball, vs. Ursinus, 8:10 p.m.

Friday, Jan. 5

Deadline for applying for Graduate School Tuition Grants-in-Aid for Spring Term 1979.

Sports: women's basketball, Penn State Invitational.
Commonsplace Theatre, *Cabaret*, 7 and 9:15 p.m., Room 112 Kern.

Seminars

Thursday, Dec. 14

Computation Center, "APL (5 of 6)," for users of research accounts, 7:30 p.m., Room 108 Forum.

Friday, Dec. 15

Analytical Chemistry, J.E. Campana, graduate student, chemistry, on "A GC-MS Data System," 11:10 a.m., Room 333 Whitmore.
Ecology, Anne B. Clark, UC-Davis, on "Myth of the Solitary Bush Baby," 3 p.m., Room 101 Kern.

Monday, Dec. 18

Remote Sensing, Toby Carlson, meteorology, on

"Thermal Mapping of Urban Areas by Satellite," 10 a.m., Room 329 EE East.
Computation Center, "APL (6 of 6)," 7:30 p.m., Room 108 Forum.
Entomology, John Plummer, graduate student, on "Population Dynamics of the Alfalfa Blotch Leaf Miner," and Hanne Smith, graduate student, on "Oviposition Preferences of Two Lepidoptera: Tests of Cole Cultivars in Pennsylvania," 4 p.m., Room 204 Patterson.

Tuesday, Dec. 19

Water Pollution Control, Alvaro F. Umana, Stanford University, on "Inorganic Chemical Interaction during Groundwater Recharge," 2:20 p.m., Room 271 Willard.
Inorganic Chemistry, Thomas Herskovitz, Central Research and Development Dept., E. I. duPont de Nemours and Co., on "The Coordination Chemistry of CO," 8 p.m., Room 333 Whitmore.

Thursday, Jan. 4

Physics, Gilbert Hoy, Boston University, on "Relaxation Effects on Radiating Systems with Applications to Mossbauer Spectroscopy," 3:50 p.m., Room 117 Osmond.

Meteorology, John E. Clark, meteorology, on "Intense Tropospheric Convection and Its Role in Mesospheric Heating," 3:55 p.m., Room 112 Walker.

Friday, Jan. 5

Analytical Chemistry, C.P. Pau, graduate student, chemistry, on "Bonded Phases in Chromatography," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, James Rutherford, fuel science, on "Visible Chemiluminescence in Low Pressure Metal/Oxidant Diffusion Flames," 4 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: open Monday-Friday, 8 a.m.-5 p.m. George Schroeder, paintings; Harriet Rosenberg, photographs and sculpture, both through Dec. 19.

HUB Gallery: Holiday Festival V exhibit, original San Francisco Poster Art; Dr. Corrado Letta, color photographs from around the world, all through Dec. 20. Smithsonian Institution exhibit, "A Cartoon History of American Foreign Policy," opens Jan. 1.

Kern Commons Gallery: Visions of Peace in Paintings, watercolors by Arab and Jewish children, through Dec. 17. Serve Louvat and Jean DeBrie, turn-of-the-century photographs, through Dec. 29. Young American Printmakers, prints, opens Jan. 5.

Museum of Art: open daily except Monday; noon-5 p.m. Tours on Sunday at 1:30 p.m. Sculpture from the permanent collection, through Dec. 23. European paintings, drawings and sculpture from the permanent collection. Twentieth-century American paintings from the permanent collection.

Zoller Gallery: open 8 a.m.-5 p.m. weekdays, noon-5 p.m. weekends. "The State of the Art at Penn State," works by PSU faculty members.

WPSX Highlights

The way in which religious experience affects and is integrated into the everyday lives of five individuals is documented Sunday, Dec. 17, at 6 p.m. on *Like the Wind*. The one-hour special examines the individual expressions of faith of a charismatic Christian, an orthodox Jew, a black Baptist, a pacifist Quaker, and a Catholic deacon — all in Pennsylvania.

Sunday, Dec. 17, at 7 p.m., *Simple Gifts: Six Episodes* for Christmas presents a view of the holiday season as perceived by famous writers, artists, and animators. Highlights from the program include a vignette on the wonder of Christmas depicted by a raggedy war; a nostalgic holiday celebrated over 100 years ago by Teddy Roosevelt; an episode based on Virginia Woolf's *Orlando*; and a memory of a poor Christmas from the autobiography of playwright Moss Hart.

Penn State's Contemporary Dance Company is seen on location in a special presentation on *Talkabout*, Tuesday, Dec. 19, at 7:30 p.m. The company visits schools in Central Pennsylvania, through the sponsorship of the Arts in Elementary Education project, to teach children about dance and creative movement.

Shirley Verrett will sing the title role of Puccini's tragic opera, *Tosca*, Tuesday, Dec. 19, at 8 p.m. The three-hour performance, presented on *Live from the Met*, features Luciano Pavarotti as Cavaradossi, Cornell MacNeil as Scarpia, and Fernando Corena as the Sacristan.

Members of the Penn State Glee Club, under the direction of Bruce Trinkle, and the Brass Choral, led by James Beneshoff, capture the essence of Yuletide in Central Pennsylvania on *Christmas at Penn State*, Wednesday, Dec. 20, at 8 p.m. Performing outdoors, the groups present a program of holiday music, including traditional carols, other sacred music, and some popular secular songs. The program was produced by WPSX-TV last winter.

In six separate segments, writers and historians share their personal holiday visions as *Christmas Heritage* explores Christmas customs in the United States, Thursday, Dec. 21, at 9 p.m. Edward Roe, as a flying Santa, drops packages on lighthouses; Oliver Jensen talks about Santa's history; Len Wood Sloan discusses the minstrel tradition; Alastair Cooke guides viewers through Christmas at the movies; Scott Momadady talks about the December celebrations of the Navajo Indians; and the program ends with a dramatization of Paul Engle's poem, "An Iowa Christmas."

Arts Roundup

Glee Club, Brass Choral offer a joint concert Dec. 17

The Penn State Glee Club and the Penn State Brass Choral will present a joint concert at 3 p.m. Sunday, Dec. 17, in Schwab Auditorium. The concert is part of the Glee Club's continuing celebration of its 90th Anniversary Year.

The Glee Club will open the program with the "Alleluia" from Bach Cantata No. 142 and "Sheep May Safely Graze" from his Cantata No. 205. Assisting the Glee Club on these selections will be Thomas Kennedy and Lori Gulyard, flutists, and Lowell Knauser, pianist.

A Renaissance music, the "Gloria" from "Missa Mater Patris" by Josquin des Prez and five traditional carols follow the Bach pieces. David Hudson, tenor, will be featured in this part of the program.

The Hi-Los, 14 singers from the Glee Club, will perform four selections for their part of the program. Highlighting these numbers will be "Throw the Yule Log On, Uncle John," a composition by the mythical P.D.Q. Bach — alias humorous composer Peter Schickele.

The Penn State Brass Choral will open

the third part of the program with David Ueber's "Christmas in Brass." The Brass Choral will also perform several numbers arranged by James Burden and will conclude their section of the program with Richard Peaselee's arrangement of "Hark, the Herald Angels Sing."

The Glee Club and the Brass Choral will join in presenting the final part of the program, a group of Christmas favorites including "Joy to the World," "O Tannenbaum," "Deck the Halls" and "Silent Night."

The Penn State Glee Club is directed by Bruce Trinkle, associate professor of music. Assistant professor of music James Beneshoff directs the Penn State Brass Choral.

"Fantasia" spoof at Kern

Allegro Non Troppo, a send-up of Walt Disney's *Fantasia*, will be presented by France-Cinema tonight and Friday, Dec. 14 and 15, at 7 and 9 p.m. in Room 112 Kern Building.

The film, directed and written by the Italian producer and animator, Bruno Bozzetto, presents six animated color sequences set to classical music. As in *Fantasia*, the animation is linked together with live action scenes, but instead of

Stokowski and the Philadelphia Orchestra, *Allegro Non Troppo* features a Felinesque orchestra of old women directed by a mad conductor.

Sequences include Debussy's "Afternoon of a Raven," Dvorak's "Slavic Dance, No. 7," Fawcett's "Bolero," Sibelius' "Valse Triste," Vivaldi's "Concerto in C" and Stravinsky's "The Firebird."

As an example of what Bozzetto is up to, in the "Bolero," a gigantic Coke bottle abandoned in the desert spills a drop of ooze which becomes an amoeba. Life evolves through an astounding parade of fanciful creatures who march through the Ice Age, the Stone Age, the Dark Ages — finally culminating in the "Civilization of Man."

Kern shows paintings by Arab and Israeli children

"Vision of Peace in Painting," an exhibition of 42 children's paintings on the subject of peace and friendship, is on display at Kern's Commons Gallery to Dec. 17.

The paintings, created by Arab and Jewish children, aged 9-15, are the result of a pilot art project originated in 1967 by Moshe Tamir, director of Israel's Ministry

of Education and Culture. Shortly after the Six Day War in the Middle East, 1,000 Arab and Jewish children from both sides of the border were brought together and invited to paint on the subject of peace.

The exhibit is currently touring the United States and Canada under the auspices of the Smithsonian Institution and is sponsored by the International Cultural Centers for Youth. The Commons' show is supported by a grant from the Pennsylvania Council on the Arts.

VADD

(Continued from page 1)

changes elected, or for new participants in the program, will be Feb. 2, 1979.

If a faculty or staff member wishes to join the program or to change the amount of coverage, he or she should obtain a VADD Enrollment Card from the appropriate Personnel Representative or Campus Business Manager, complete it, and return it to the Employee Benefits Division (Room 113 Willow Building) prior to Feb. 1, 1979. Persons who have any questions about the program may call Mr. Batcheler, 865-1473.

Only persons wishing to change their coverage or non-members who wish to join need complete enrollment cards.

(Continued from page 1)

set for submission of budget data, noting that the request for such material had only been put into his hands at the end of Fall Term. Dr. Frank pointed out that this was a time when faculty were particularly busy and that he would have to make budget recommendations without my faculty being as much involved as I think they should be. I feel very strongly about this, and I hope next year the calendar can be improved on."

Planning and Development Committee chairman Murray S. Martin, associate dean of libraries, replied that the committee was open to suggestions about the timetable, but that "we have all known for some time that we were going to have to make more cuts and could have been prepared for it." He compared the situation to that of a person who takes a book out for a month and then reads it during the last three days of the loan period.

Dr. Mallette said that while the timetable was important, the committee and subcommittee members "shed most of their blood over something that basically may be considerably more important—that is, over the set of criteria on which the ultimate allocations that come to the Colleges and departments will be set. What is the basis on which the money is to be allocated? Are we going to talk, for example, in terms of student credit hours generated or research publications? I think this is the kind of on-going discussion faculty should attempt to influence. These are academic matters and have very long range effects on the academic operations of the University."

Senator Martin asked senators and any other interested faculty members to send suggestions to the Planning and Development Committee "for things we should look at as measures of excellence, anything that could assist us as academics in attempting to insure that whatever may happen in terms of the budget that we do

attempt to maintain the academic standards of this University."

Senator Paul E. Bell, associate professor of education, pointed out that in a flow chart door handout and senators, connectors between academic and fiscal planning seemed to be missing. He said: "I would like to go on record as saying this is unacceptable if indeed we are an academic institution. Academic planning should be an integral part of fiscal planning. Any kind of document that goes out of here representing these as separate is untenable."

Loren M. Furtado, director of budget and planning, responded: "I don't know of any University in the country where planning has been linked, stage by stage, to budget precisely and successfully throughout the whole process. To a considerable extent they are discontinuous, and one of our goals here is to more adequately develop these linkages."

Senator Ernest L. Bergman, professor of plant nutrition, noted that the Subcommittee report urges faculty to become involved in the planning process and then says they can't make case-to-case decisions.

Dr. Mallette explained that the intent is to get faculty involved in the general overall process by establishing criteria but not in specific situations such as deciding how much money should go to agronomy and how much to horticulture.

Provost Edward D. Eddy described the significant input which faculty already have in the five-year budget planning process. Two faculty members elected to the President's Faculty Advisory Committee are asked also to serve on the Provost's Advisory Committee. (The two faculty members this year are Dr. John J. Cahir, associate professor of meteorology, and Dr. Robert Friedman, professor of political science.)

Thus far in this particular budget cycle, the Provost's Advisory Committee has been responsible for the preparation of the suggested "targets" sent to each of the Colleges and administrative units in the

Provost's area.

Dr. Eddy noted that he had also asked each of the deans and Campus directors to involve faculty members in the five-year budget planning cycle.

"The Deans were asked last spring to report how faculty had been involved," Dr. Eddy continued, "and those deans who had not, to my way of thinking, involved faculty as fully as they might were asked once again, with vigor, to involve faculty more completely in the deliberations."

"... during a time of budget cutbacks there comes a point at which somebody has to make a decision which other people are not going to like. If we were, for example, this afternoon to attempt to vote on the academic side of the University budget with its several hundreds of millions of dollars, I would suspect that it would be very difficult indeed for a body of this size—or of any size—to make the detailed kinds of decisions which have to be made."

"We do expect, however, that the individual Colleges will have a framework for faculty involvement and a framework for consideration for making this more than just arbitrary decisions on the allocations of funds. There is, I think, a considerable amount of discretion given to the deans within the funds that are allocated to the Colleges—discretion with regard to how those funds are to be divided within the College. And that is where it seems to me it is most appropriate for faculty to be directly involved, as well as, of course, at the University level."

Dr. Eddy continued:

"The two faculty members who are members of the Provost's Advisory Committee will continue to serve on that committee so long as there are budget decisions to be made throughout this year... they will be participants in the final decision making meeting which will result in a recommendation for the allocations to the Colleges."

In response to a question about the earliest date departments will be notified so that they can begin to recruit new faculty, the Provost said that he was sensitive to

the fact that recruiting might best be done at some of the professional society meetings which are held at Christmas and in January and February, and also that it is far more humane to get word early to a faculty member whose appointment is not going to be renewed.

He said that next year, "We hope to have this all wound up by late February or early March... It also depends, of course, on our reading of the pulse in Harrisburg at that particular time. And if the pulse is weak, then it's difficult to feel confident to go ahead with a strong voice as early as March."

Concluding the discussion, Senator Martin noted: "The fact that we are sitting debating is a sign of increased faculty participation in the planning and budget process." Senator Guy Rindone, professor of ceramic science, assured the Senate that as a member last year of the Provost's Advisory Committee, he had indeed been allowed to participate fully in the decision making process.

"The two faculty members were treated as equal participants in all of the decision making process that went on," Dr. Rindone said. "We got all the numbers, all the figures. We had input on every item that was brought up and the other members of the committee, the administration, were really eager to hear and very responsive to the opinions and the requests of the faculty. So I think you can feel very confident that the members of the faculty are not there as token members but are there as active participants."

Dr. Judd B. Arnold, professor of English and chairman of the Subcommittee on Special Admissions noted, that in a report on the Developmental Year Program published in the Senate Agenda, the sentence stating that, "All category 8 students will be restricted from enrolling in the College of Science," should be changed to include the Colleges of Earth and Mineral Sciences and Engineering as well.

A presentation on the Libraries' new automated circulation system is described in the story below.

Libraries to institute \$3 search charge

The University Libraries' new automated circulation system "is designed to encourage returns," the Libraries' associate dean, Murray S. Martin, told the Senate at its Dec. 5 meeting.

"Currently we are sending out somewhere in the region of 50,000 overdue notices a year from University Park," Dean Martin said. "In other words, about 10 to 15 percent of all transactions end up overdue."

"These overdue books cost the Libraries roughly \$30,000 to \$40,000 a year in staff time, exclusive of the cost of postage to mail out notices."

In response to a question about how the new system would penalize persons who do return books, Dean Martin explained that henceforth there will be a \$3 charge to cover the expenses of searching for a book, in addition to the replacement cost of the missing volume.

"So far as we can determine," Dean Martin said, "the standard reading time for most library materials is about four weeks. It's a very difficult thing to get at because what tends to happen is that your due date is Feb. 28, and you read the book on Feb. 27, and return it on March 1. Accordingly, any naming of a termination time is in a sense setting a time when you are going to read the book."

In preparing the new automated circulation system, the Libraries have taken into account the length of the academic term and the academic year at Penn State, and also allowed time for getting materials back and forth from the Campuses.

"We are trying to provide the best possible circumstances to encourage returns before the due date," Dean Martin continued. "It's not up to us but up to you to decide whether or not you want the material again."

"But at this time there are quite a number of substantial private libraries on this campus, bought with University money and nominally in the Library, and we want to put an end to this practice."

Dean Martin pointed out that the system which Penn State has adopted is similar to that used at Yale and several other similar institutions in requiring that after a certain period of time, all materials must be brought back physically to the library.

"But suppose you don't think about renewing," Dean Martin continued. "After a short period of time, we will send you a reminder. At that stage, you may still renew the material. If no action is taken, following a further grace period, we will conduct a thorough search, and at this stage the book will be declared lost. We estimate the cost of the search to be \$3, and you will be charged for it along with the replacement cost."

In cases where persons repeatedly refuse to return overdue material, or run up an excessive accumulation of fees, borrowing privileges will be suspended.

"We will try to be as generous as we can in applying these rules," Dean Martin promised, "but given the nature of our problem—fewer resources and lots of people to share them—it is difficult to try to reconcile individual personal need with the general societal need of the whole University."

"Ninety nine percent of the people we serve do not violate the rules in any significant degree, but those who do impose a very serious problem on others."

A description of the new automated circulation system and the text of a Senate informational report concerning it appeared in the Dec. 7 issue of INTERCOM.

News in brief

(Continued from page 1)

including refrigerator, electric dryer, freezer and TV.

If you are able to help, please call Karen at 865-6316 during office hours, or at 422-8672 (Spring Mills, toll-free from State College and Bellefonte) evenings.

HUB Candlelight Dinners have international flavor

International foods will be featured on the menu of the HUB Terrace Room's Holidays Around the World Candlelight Dinners tonight (Thursday) and Friday, Dec. 14 and 15, from 5 to 7 p.m.

From Spain comes arroz con pollo; the Near Eastern specialty is lamb kebabs; rib of beef and Yorkshire pudding represent England. There is *fritto misto* de pesce from Italy and glazed stuffed pork chops from Norway. Side dish specialties from Israel, France and the United States complete the selections.

Libraries holiday schedule

In compliance with the University's policy to conserve energy over the holiday period, branches of the University Libraries will be closed from Saturday, Dec. 23, through Monday, Jan. 1. Patrons will be closed over that period except on Thursday, Dec. 28 and Friday, Dec. 29, when the Library will be open from 7:45 a.m. until 5 p.m.

Children's theatre course to begin Jan. 3

Two children's drama courses will be offered by the Department of Theatre and Film during Winter Term.

The classes will be held weekly on Wednesdays and Fridays from Jan. 3 to Feb. 16. The first class, for children attending morning kindergarten, will be

held from 2:30 to 3:15 p.m. The second class, for children in the 5th and 6th grades, will be held from 3:45 to 4:45 p.m. Both classes will be held in the Pavilion Theatre.

Parents may enroll their children by calling the Department of Theatre and Film at 865-7586. There is no charge for the laboratory course, but enrollment is limited. The course will be taught by Brian Morgan, assistant professor of theatre arts.

Next INTERCOM Jan. 5

The next issue of INTERCOM will appear Friday, Jan. 5. Any notices for that issue should be in by Dec. 21.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 3 p.m., Dec. 21, 1978. DO NOT CONTACT THE AREA THAT IS THE VACANCY.

APPLICATIONS ANALYST/PROGRAMMER, OFFICE OF BUDGET AND PLANNING—University Park. Responsible to Program Manager for the preparation of data and the conducting of analyses of data processing and customer problems, determining detailed requirements to solve problems, formulating logical statements of systems problems and preparing computer programs to satisfy defined end results. Bachelor's degree or equivalent in basic computer systems and in two years of directly related experience in computer programming and analyses are required.

Penn State Intercom

Social Security deduction higher

Your 1979 Social Security Deduction

The social security (FICA) deduction from your paycheck will be higher in January, as mandated by federal law.

The new social security tax rate will be 6.13 percent, compared to 6.05 percent at present. In addition, the "wage base" — the maximum amount of earnings on which social security taxes are paid — increases from \$17,700 to \$22,900 in 1979.

Impact of Changes

If your earnings are \$10,000 a year, you will pay \$8 more into social security in 1979 than you did in 1978.

If your earnings are \$17,700 you will pay \$15 more into social security in 1979.

On earnings of \$22,900 or more, the social security tax in 1979 will increase by \$333. This larger increase reflects the higher taxable wage base in 1979.

The University, of course, will pay more into social security in 1979 since employers must match, dollar for dollar, the social security taxes paid by employees.

Federal Income Tax Changes

The 1979 social security increase will be offset in part by changes in the individual federal income tax rates, which include the following:

1. Personal exemption increased from \$750 to \$1,000.
2. Standard deduction raised from \$2,200 for single persons and heads of households to \$2,300, from \$3,200 to \$3,400 for married persons.
3. New lower tax rates for many taxpayers.

The following examples show how the new tax changes might affect take-home pay for a married person claiming four exemptions.

Salary	Social Security Withholding		Federal Income Tax Withholding	
	1978	1979	1978	1979
8,000	484.00	490.40	6.40	277.00
10,000	605.00	613.00	8.00	323.00
18,000	1,070.85	1,103.40	32.55	2,217.00
22,900	1,070.85	1,403.77	332.92	3,485.00
25,000	1,070.85	1,403.77	332.92	4,073.00

Additional Information

The Social Security Administration asks that employees be reminded that amounts paid into the social security system are building lifetime protection. In addition to monthly benefits in retirement, social security also provides disability and survivors insurance that protects you and your dependents throughout your work years. Social security deductions also pay for Medicare hospital insurance for persons 65 and older and for those who have been getting disability for two years or more.

You should also be aware that persons affected by the increase in the base (from \$17,700 to \$22,900) will ultimately receive higher benefits from social security. Since benefits are based on amounts paid into the system, each time the maximum base increases, it means that those affected will ultimately draw more benefits.



Adelphi will stage Williams' "Eccentricities of a Nightingale."

Five plays to be shown as part of theatre festival

The Department of Theatre and Film will host the Regional XII meeting of the American College Theatre Festival XI Jan. 10-14 at University Park.

The meeting will consist of performances of full-length plays and of individual actor's monologues, along with workshops on various theatrical subjects. All performances are competitive, with winners going on to compete in the Festival's national finals.

Thirty-one schools entered plays in preliminary Region XII competitions, and five were selected for the finals at Penn State. They are: Muhlenberg College, presenting *Our Town* by Thornton Wilder; Adelphi University, *Eccentricities of a Nightingale* by Tennessee Williams; Behrend College, *The Shadow Box* by Michael Cristofer; Hofstra University, *The Summer of the Seventeenth Doll* by Ray Lawler; and Lycoming College, *Peer Gynt* by Henrik Ibsen.

Specific times and dates for these

(Continued on page 3)

Admissions, drop policies on Senate docket

A report on the academic consequences of Penn State's admissions policies and a proposal to change criteria for drop actions will be presented to the University Faculty Senate at its Jan. 9 meeting at 2:10 p.m. in Room 112 Kern Graduate Building.

The second stage of "a richly detailed system for monitoring the academic consequences of our admissions policies," will be discussed in an informational report from the Committee on Admissions, Records and Scheduling.

Results of the first stage in the monitoring system were reported to the Senate last May. High school performance records and measured academic skills of newly admitted baccalaureate degree candidates were summarized by College and Campus for a ten-year period.

The new data show the number of students and their first year performance records in each Penn State admission category, as well as the first year performance of Commonwealth Campus transfers to University Park. All data has been forwarded to appropriate academic units for analysis.

According to the committee, "probably the most disturbing information in the report is that the Penn State applicants who finally rejected offers of admission were academically better qualified than those who accepted offers. In brief, Penn State is losing many of its best applicants to other schools."

The committee notes that the data "make vividly clear the importance of recruiting good students. The attrition rates for each admission category and the percentage of students in each category with GPAs of less than 2.0 in their first year seem to predict the academic consequences of attempting to maintain enrollment levels by accepting more students in lower admission categories."

The Committee on Academic and Athletic Standards is proposing a change in Senate Policies 54-52 and 54-54. Currently, academic drop action is based on grade point deficiencies as related to the term classification of the student.

Under these policies, a student who schedules the minimum number of full-time loads (eight credits) may have the same term standing as a student who takes the maximum 13-credit load. Despite this disparity, both are subject to drop action based on the same allowable grade point deficiencies. Similarly, a student scheduling part-time work may have a lower than normal term classification and thus be able to accumulate a greater number of grade point deficiencies.

The committee also points out the difficulty of maintaining accurate term standings since students may now drop courses through the eighth week of a term.

The committee suggests that the use of cumulative credits would be a more stable criterion on which to base drop actions. The report states:

"Cumulative credits could be used to determine the number of allowable grade point deficiencies for drop action by establishing a maximum grade point deficiency allowed for each defined range of total credits scheduled (cumulative credits). . . . A scale of decreasing allowable grade point deficiencies with an increase in

(Continued on page 4)

Instructors raise standards, improve student writing

Before I can discuss the marketing approach of the George Washington Motor Lodge, I will discuss what marketing is.

The writing sample — and dozens of others like it — are routinely turned in by Food Service and Housing Administration students in FSHA 50.

Until last year, it didn't affect their grades in the course.

But that was before their instructor, Dr. Thomas F. Powers, read an account (in INTERCOM) of a speech English department head Robert Frank made to the Senate pointing out that the English Department can't do its job in a vacuum. Unless the new writing patterns students learn in English 10, 20 and 30 are reinforced in other courses, Dr. Frank said, students will revert to their old bad habits. "Worse, they are liable to conclude that the correct, disciplined writing stressed in the early composition courses has no application beyond those courses."

"The real world will tell them different, but by then it will be too late."

Dr. Powers decided to accept the academic challenge offered by Dr. Frank. "Writing is a survival skill in complex organizations," he notes, "but I'd estimate that at least 30 percent of our FSHA

students were not writing at a level that would be acceptable in the food service and housing industry."

A professor of organizational behavior, Dr. Powers is one of the instructors for FSHA 50 and 316.

"Both of these courses are basic practicum courses whose focus is to integrate a body of theory with real world experience," he explains. "Students are asked to evaluate their field experiences in terms of a set of required readings."

Four reports are required in FSHA 50, a one-credit course; three longer ones are assigned in 316, which is offered for two credits.

The FSHA faculty has now had a year to experiment with the revised curriculum developed by Dr. Powers.

"Our underlying theory is that if we, as instructors, make an effort at one point to set criteria that will raise the students' level of expectation, we can reinforce and maintain a decent standard of writing in our graduates," Dr. Powers explains. "And we can do this without spending a lot of extra money."

Students entering FSHA 50 — and 316 — now are told that their ability to write clearly and grammatically will account for at least 30 percent of their grade. To assist them in preparing their

reports, they are given a Style Manual, written by John R. Swinton, a research assistant in the College of Human Development, and Dr. Powers.

"Having successfully grappled with your freshman composition courses, you may wonder what the faculty's interest in clear writing has to do with you, now a student and soon to be a food service professional," the Manual begins. "The answer is, we can and we will demonstrate that a command of the English language helps you 'get ahead' in the worlds of hospitality management and dietetics. . . . we believe that FSHA and HFS students, for whatever reason, do not write as well as they once did or as well as they must if they expect to advance in their careers. We think that there are good practical reasons why this skill should be restored. And we are bound to help restore it. Moreover, we hope to make this excursion both profitable and enjoyable for you."

The Manual then proceeds to the subject of "Style," discussing such topics as spelling, content, organization and titling.

A series of appendices cover a variety of topics, including punctuation ("Ten Rules for Using the Comma," "Three Rules for

(Continued on page 4)

Penn Staters

Dr. Duane R. Smith, associate dean for academic affairs and associate professor of education at Capitol Campus, is serving as officer in charge at Capitol, effective Jan. 1. He stepped in for Dr. Robert E. McDermott, who has resigned as provost to return to teaching.

Dr. Smith, former director of elementary education for the Harrisburg School District, joined the faculty of Capitol in 1969. A graduate of Indiana University of Pennsylvania, he received his master's degree and doctorate in elementary education from the University of Pittsburgh.

David C. Bepler, associate professor of agricultural engineering, has been named a Fulbright-Hays Scholar. He will lecture at the Ahmadu Bello University in Zaria, Nigeria, during 1979, teaching courses in power equipment design and in the use and maintenance of farm power units. He also will help in the development of a graduate program in his discipline. His wife, Dr. Marcia C. Bepler, a staff member with the Cooperative Extension Service who served as Acting State 4-H Leader last year, will also assume faculty duties at Ahmadu Bello University.

Dr. Edwin L. Herr, professor and head of the Division of Counseling and Educational Psychology, presented three lectures and participated in a symposium at the Sixteenth Annual Conference of the Japan Association of College Counselors in Tokyo from Dec. 4 to 7. Dr. Herr was recently selected as a Research Fellow of the Japan Society for the Promotion of Science. On the way to Tokyo, Dr. Herr delivered the keynote speech to the Guidance Division of the American Vocational Association at its annual convention in Dallas, Texas. Dr. Herr is president-elect of the National Vocational Guidance Association.

Dr. Andrea Mastro, research associate, Department of Biochemistry and Biophysics, recently presented an invited seminar at the National Institute of Neurological and Communicative Disorders and Stroke, National Institutes of Health. She discussed "Plasma Membrane Protein Kinase Activity and Phosphorylation in 3T3 Cells."

David R. MacKenzie, associate professor, and **Richard R. Nelson**, Evan Pugh professor, of the Department of Plant Pathology, visited the International Center for Tropical Agriculture (CIAT) in Cali, Colombia, this fall. Dr. Nelson presented a seminar on gene strategies, and Dr. MacKenzie gave a seminar on modern trends in plant breeding for disease resistance.

This fall, Dr. MacKenzie also gave several lectures in potato pest management and plant breeding for a short course on integrated pest control for irrigated rice in South and Southeast Asia. The short course was held in Manila, Maligaya, and Los Banaos, the Philippines, Oct. 16-Nov. 17 and was sponsored by the Food and Agricultural Organization of the United Nations and the United States Agency for International Development.

Stephen Porter, associate professor of art, is having a one-man exhibition of sculpture at the Diane Brown Gallery in Washington, D.C., through Jan. 6.

Dr. Peter Usher, associate professor of astronomy, is one of 25 astronomers chosen by the National Aeronautics and Space Administration (NASA) to review proposed projects for the International Ultraviolet Explorer satellite telescope now in orbit around the earth.

Ken R. Addis, conference coordinator at the Conference Center, is the recipient of the 1978 Outstanding Higher Education Administrator Award of the Pennsylvania Personnel and Guidance Association. He was cited for his "open attitude toward all types of programs which benefit not only persons in the counseling field but also the career development of all professionals."

Robert J. McIntyre, assistant professor of economics, recently visited the Federal Statistical Office and the Economics Department of the Charles University in Prague to explain and review the results of models developed to describe various social and economic policies in Czechoslovakia. He also travelled to Sofia where he was received by the State Council of the Bulgarian government and gathered data necessary to develop a similar policy appraisal model for Bulgaria.

Dr. Heinz K. Henisch, professor of the history of photography, was elected a Fellow of the Photographic Historical Society of New York at the Society's 10th Annual Conference Dec. 1-3. He was cited for "outstanding achievement in research, publications and education."

Kenneth R. Graham was promoted to the rank of assistant professor of business administration, effective Dec. 1.

Bookshelf

The Nabis: Their History and Their Art, 1866-1896, the doctoral dissertation of **George L. Mauner**, professor of art history, has just been released by Garland Publishing. The work is a new edition in their "Outstanding Dissertations in the Fine Arts" series.

Dr. Mauner wrote his thesis at Columbia University where he earned his Ph.D. in 1967. It deals with the 19th century Parisian art movement that paralleled the literary symbolist movement of the same period. The publishers describe the work as "the most complete scholarly study of the Nabis available in any language."

The first part of the study is a history of the Nabis and their activities. The second section deals with the nature of the art itself.

The dissertation is one of 142 chosen by Garland for its fine arts series. Its 495 pages include 159 illustrations.

Dr. John E. Tilton, professor of mineral economics, is the co-author of a new book entitled *Public Policy and Diffusion of Technology: An International Comparison of Large Fossil-Fueled Generating Units*, published by The Pennsylvania State University Press.

Dr. Tilton's collaborator is Dr. John H. DeYoung Jr., a former Penn State graduate student currently employed by the U.S. Geological Survey, Reston, Va.

The book recommends that the federal government foster the mergers of many of the smaller power producers. If of the nation's electric power generating industry were not fragmented into some 1,000 companies of varying size, the authors write, the United States could save annually an amount of energy equivalent to more than 200 million barrels of oil. At current prices, it costs the nation about \$2.5 billion to import this quantity.

"Larger units are relatively cheaper and more efficient to run than smaller units," Dr. Tilton says. "The problem is that small firms, or in this case utilities, can't always utilize the largest, most efficient technology available. If such mergers were limited to small companies, anti-trust should not become an issue."

"Most utilities simply were not big enough to follow the lead of the Tennessee Valley Authority or the Midwest's American Electric Power Company, which realized considerable savings thanks to high power generators," Dr. Tilton says.

"Thus, in 1972 alone, 16,000 megawatts of new fossil fuel capacity were added in the U.S. at a cost of \$4.8 billion. Had the capacity of the new generators averaged 815 megawatts instead of only 477, an estimated \$250 million would have been saved, just in capital expenditure. Also, in the six years since the Arab oil embargo, the country could have saved billions of dollars more in lower fuel bills."



A.L. Bortree



W.E. Schneider

Retirements

Dr. Alfred L. Bortree, professor and head of the Department of Veterinary Science, retired Dec. 31 with emeritus rank.

Dr. Bortree joined the Penn State faculty in 1948 after serving on the Michigan State University faculty. He has headed the Department of Veterinary Science at Penn State since its inception in 1953.

A 1939 graduate of Penn State in dairy science, he received his master's degree and doctor of veterinary medicine degrees from Michigan State in 1942 and 1944, respectively.

After serving as first vice-president of the Pennsylvania Veterinary Medical Association, he recently was elected president-elect of the association.

He is a member of the Association of American Veterinary Medical Colleges and is past chairman of the Council of Chairmen in this organization.

In October, Dr. Bortree received the Pennsylvania Veterinary Medical Association's Distinguished Veterinarian Award for outstanding service to the veterinary profession.

A toxicology seminar for veterinarians was held at the University in November in honor of Dr. Bortree's retirement. The seminar was sponsored by the Penn-Allegheny Veterinary Medical Association and the Veterinary Science Department.

Dr. Bortree was also recently honored by the Pre Vet Club for the service and guidance he provided to undergraduate students.

William E. Schneider, assistant director for resident instruction at the Hazleton Campus, retired from the University on Dec. 31 after 32 years of service.

Following World War II, he began his career with Penn State at the Veterans' Guidance Center in Harrisburg. He served at the Swarthmore, Dravosburg and Scranton centers of the University before his assignment to Hazleton in 1955.

A Pennsylvania native, Mr. Schneider earned his bachelor's degree in education at Penn State in 1939 and a master of arts degree at Lehigh University. He belongs to Kappa Phi Kappa, an education honorary society.

A resident of Pottsville, he is a member of the Pottsville Club and the Elks Lodge. He was a president of the Tri-County Principals' Association, a board member of the Hazleton Kiwanis Club and a board member of the Anthracite Council of Boy Scouts.

Aurelia K. Adams, assistant professor of clothing and textiles, retired Dec. 31 after 21 years of service.

Mrs. Adams received her B.S. at the



Aurelia Adams



Edgar Ulrich

University of Illinois and her M.Ed. at Penn State. Prior to joining the faculty, she was a home agent and state clothing specialist for the Missouri Cooperative Extension Service.

Among Mrs. Adams' publications is a brochure, "Concepts of Fit through Wrinkle Evaluation," which was recently included in a book published by the U.S. Vocational Education Department. She is also co-author of a book, *Clothing Selection: Application of Theory*.

While she was at Penn State, Mrs. Adams served as advisor to 16 Pennsylvania student chapters of the American Home Economics Association.

Edgar Ulrich, research associate in the Applied Research Laboratory, retired from the University Jan. 1 with 33 years of service.

Mr. Ulrich started with the University as a draftsman in 1945, then became a research assistant, and was named a research associate in 1966.

He has also taught script geometry at the University.

Before coming to Penn State, Mr. Ulrich worked with former University President Eric A. Walker at the Colt Patent Firearms Company in Hartford, Conn. He also worked at the Rathen Corporation in Massachusetts.

During his career at the Applied Research Laboratory, Mr. Ulrich was involved with an underwater acoustics research program sponsored by the Naval Sea Systems Command.

Obituaries

Dr. J. Harris Olewine, professor emeritus of organic chemistry, died Dec. 27. Dr. Olewine retired in 1959 after 42 years of service to the University. He held B.S. and Ph.D. degrees from Penn State and an M.S. from the University of Illinois. During his years at Penn State, he helped develop the undergraduate program in organic chemistry and guided the pre-medical program.

Philip X. Rice, an associate professor of engineering at Penn State from 1931 to 1961, died Dec. 13. A 1916 graduate of the University of Arkansas, where he earned a B.S. in electrical engineering, Prof. Rice held a master's degree in electrical engineering from Penn State. He was a World War I veteran. A pioneer in the development of automatic traffic controls for railroads and later for highways, Prof. Rice installed some of the first automatic highway controls in Pennsylvania.

University Park Calendar

Jan. 5-14

Special Events

Friday, Jan. 5

Deadline for applying for Graduate School Tuition Grants-in-Aid for Spring Term.
Sports: women's basketball, Penn State

Invitational.
Commonplace Theatre, *Cabaret*, 7 and 9:15 p.m., Room 112 Kern.

Saturday, Jan. 6

Last date for March graduates to deliver doctoral theses to Committees.

Sports: women's basketball, Penn State
Invitational; men's and women's gymnastics, vs. Springfield, 7:30 p.m.
France-Cinema, *International Animation Festival*, 7 and 9 p.m., Room 112 Kern.
Artists Series, *Blackstone Magic Show*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 7

University Chapel Service, 11 a.m., Eisenhower Chapel. Donald Cridler, rural sociology.
Commonplace Theatre, *Cabaret*, 7 and 9:15 p.m., Room 112 Kern.

Monday, Jan. 8

France-Cinema, *International Animation Festival*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 9

Fixed date for meetings involving Commonwealth Campus faculty.
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Hotel State College. Stanley Weintraub, English, on "Medicine and the Biographer's Art."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Shakespeare film, Evans-Anderson, *Macbeth*, 6:30 p.m., Room 101 Chambers. Free.
Comp. Lit. Film Series, Peter Bogdanovich, *Daisy Miller*, 7 and 9 p.m., Room 112 Kern.
Sports: women's basketball, vs. Rhode Island, 7 p.m.; wrestling, vs. Temple, 7:30 p.m.

Wednesday, Jan. 10

Sigma Delta Epsilon luncheon meeting, noon, Room 101-A Kern. Nancy M. Daugherty,

assoc. health physicist, on "How Do the Risks Compare?"

Shakespeare film, Orson Wells, *Macbeth*, 6:30 p.m., Room 101 Chambers. Free.
American College Theatre Festival, Irene Ryan Acting Scholarship Competition, 8 p.m., Keller Auditorium. Phone 863-0381 for tickets.

Thursday, Jan. 11

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

American College Theatre Festival, *Our Town*, Muhlenburg College, 8 p.m., Playhouse Theatre. Phone 863-0381 for tickets.

Friday, Jan. 12

Commonplace Theatre, *Return of the Pink Panther*, 7 and 9 p.m., Room 112 Kern.

American College Theatre Festival, *Eccentricities of a Nightingale*, Adelphi University, 1 p.m., Playhouse Theatre. Phone 863-0381 for tickets.
SFO Film, *The Exorcist*, 7, 9:15 and 11:30 p.m., Room 102 Forum.
Artists Series, Eugenia Zukerman, flute and Carlos Bonell, guitar, 8:30 p.m. Schwab.
American College Theatre Festival, *The Shadow Box*, Behrend College, 9 p.m., Playhouse Theatre. Phone 863-0381 for tickets.

Saturday, Jan. 13

Last date for final oral doctoral examinations for March graduates.

Last date for March graduates to deliver masters theses or papers to adviser.

Sports: men's tennis, vs. Jersey City State, 11 a.m., vs. Johns Hopkins, 2 p.m.; men's volleyball, Japanese College All-Stars, 2 p.m.; men's and women's gymnastics, vs. Pittsburgh, 7:30 p.m.

American College Theatre Festival, *The Summer of the 17th Doll*, Hofstra University, 1 p.m., Playhouse Theatre. Phone 863-0381 for tickets.

France-Cinema, *Jonah Will Be 25 in the Year 2000*, 7 and 9 p.m., Room 112 Kern.

American College Theatre Festival, *Peer Gynt*, Lycoming College, 9 p.m., Playhouse Theatre. Phone 863-0381 for tickets.

Sunday, Jan. 14

University Chapel Service, 11 a.m., Eisenhower

Chapel. Virginius Thornton, Black Studies Program.

France-Cinema, *Jonah Will Be 25 in the Year 2000*, 7 and 9 p.m., Room 112 Kern.

ARHS Winter Festival Concert, 8 p.m., HU8 Ballroom.

Mu Phi Epsilon Scholarship Fund Benefit Concert, 8:30 p.m., Music Bldg. Recital Hall.

Seminars

Tuesday, Jan. 9

Biochemistry and Biophysics, Walter Smith, microbiology and cell biology, on "Mechanism of Protein Secretion in Bacteria," 11:10 a.m., Room 101 Althouse.
Biology, Stuart Patton, Evan Pugh professor of agriculture, on "Membranes, Microtubules and Milk Secretions," 11:10 a.m., Room 8 Mueller.

Food Science, Scott Smith, student, on "Chilling Injury in Fruits," and Bronwyn Jones, graduate student, on "Factors Affecting the Efficacy of Exogenous Ethylene in Stimulating Ripening," 11:10 a.m., Room 201 Borland.

Water Pollution Control, Richard E. Thomas, Municipal Technology Branch, Office of Water Program Operations, EPA, Washington, D.C., on "EPA Policy on Land Treatment and the Clean Water Act of 1977," 2:20 p.m., Room 271 Willard.
Geosciences, Rodger Fall, Pa. Geological Survey, Harrisburg, on "Tectonics of the Valley and Ridge Province of Pennsylvania," 3:45 p.m., Room 112 Walker.
American Society for Metals, Amos Shaler, plate consultant, speaks on gas line failures, 7:30 p.m., Room 301 Steidle.

Wednesday, Jan. 10

Computation Center, "Graphics (1 of 4)," a background in introductory program is suggested, 7:30 p.m., Room 112 Osmond.

Thursday, Jan. 11

Chemistry, Stanley R. Crouch, Michigan State Univ., on "Analytical Applications of Fast Kinetics," 12:45 p.m., Room 333 Whitmore.
Anthropology, Bob Doyle, folklorist, on "A

A daily calendar of events is available around the clock at 865-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Discussion of Regional Field Collecting of Anglo-American Folk Music (Central Pa.), 3:30 p.m., Room 101 Kern.

Physics, Heinz Henisch, physics and history of photography, on "Old Dogs and New Tricks: Semi-Conductor Junctions Revisited," 3:50 p.m., Room 117 Osmond.

Computer Science, Don Heller, computer science, on "Parallel Algorithms of Numerical Linear Algebra," 4 p.m., Room 323 Whitmore.

Friday, Jan. 12

Analytical Chemistry, N. Redman, graduate student, on "Bonded Phases in Chromatography," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Dr. Albert Vannice, chemical engineering, 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open Monday and Wednesday, 9 a.m.-3 p.m., Tuesday 9 a.m.-1 p.m. and by special appointment, 865-3853. Archeology of Meso-America.

HUB Gallery: Smithsonian Institution exhibit, "A Cartoon History of American Foreign Policy," Central Pa. Scholastic Art Awards exhibit, opens Jan. 14.

Kern Commons Gallery: Young American Printmakers, prints from 20 art schools and universities, opens Jan. 5.

Museum of Art: open noon-5 p.m. daily, closed Mondays. European paintings, drawings and sculpture, American twentieth century paintings, all from the permanent collection. Drawings and watercolors from the permanent collection, opens Jan. 7.
William Dale, a retrospective exhibit of collages, 1958-1978, opens Jan. 14.

Zoller Gallery: opens 8 a.m.-5 p.m. weekdays, noon-5 p.m. weekends. Faculty show, "The State of the Art of Art at Penn State," through Jan. 7. Graduate students' show, opens Jan. 13.

Flute-guitar recital tickets to go on sale

Flutist Eugenia Zukerman and guitarist Carlos Bonell will appear in a duo recital Friday, Jan. 22, at 8:30 p.m. in Schwab Auditorium. Their program is part of the Artists Series' Fine Arts Series.

Since her highly acclaimed debut in New York in 1971, Mrs. Zukerman, a graduate of the Juilliard School, has concertized extensively throughout America, Europe, and Israel. An unusually versatile artist, she appears not only in recital and as soloist with orchestras, but also with many chamber music societies. With her husband, Pinchas Zukerman, and Mr. Bonell she has recorded an album for CBS of rare chamber and salon music.

Carlos Bonell, considered one of today's finest classical guitarists, makes his long-awaited North American debut this season. Well-known for his many appearances on the concert stages of Europe, he has achieved fame among guitar aficionados as a frequent guest on international television programs and through his recordings. Born in London of Spanish parents, his first teacher was his father. A professor at The Royal College of Music, he has performed with some of Great Britain's leading orchestras.

The Jan. 22 program will include Handel's *Sonata in A minor*, Maria's "Folies d'Espagne," J.S. Bach's *Suite in E minor* for flute, Pjager's Introduction, theme and variations for flute and guitar, Michio Miyagi's "Hara no umi for flute and guitar," Bero's "Sequenza for flute," Villa Lobos's "Distribucion de flores," Ravel's "Piece en forme d'habanera," and Berio's "Entr'acte."

Tickets for Zukerman and Bonell will be on sale from 9 a.m. to 4 p.m. Wednesday, Jan. 10, to Friday, Jan. 12, at the HUB Booth and at the Eisenhower Auditorium Box Office.



Carlos Bonell and Eugenia Zukerman will appear in Schwab Auditorium Jan. 22.

WPSX Highlights

Photography: The Selected Image, an exhibit developed as a cooperative project of Penn State and Edinboro State College, is the basis for a half-hour Penn State Television special to be seen Friday, Jan. 5, at 9 p.m. The program combines interviews with the photographers and views of their contact sheets, primary prints, and final prints to examine the basic elements of the photographic act. The program focuses on the work of Aaron Siskind, Jerry Uelsmann, Laura Gilpin, Ray K. Metzker, Harry Callahan, Arnold Newman, and Garry Winograd.

Man of Aran, Robert Flaherty's classic documentary about life on the Aran

Islands, is the focus of a two-part broadcast on Saturday, Jan. 6, at 8:30 p.m., PBS Movie Theater presents a full-length, uncut showing of the 1934 film, followed at 10 p.m. by Robert Flaherty's *Man of Aran*: How the Myth Was Made. This hour-long special features Irish filmmaker George Stoney, who explores the effects of Flaherty's film and the resultant publicity on the lives of the islanders and looks at how the film influenced the development of the documentary form.

Penn State's New Year's Day clash with the University of Alabama in the Sugar Bowl will be analyzed on TV *Quarterbacks Special: The Sugar Bowl* Sunday, Jan. 7, at 7 p.m. Coach Paterno, Jim Tarman, and

Fran Fisher will all be on hand to review game highlights and analyze specific plays. Every year, more than a million children in the United States are abused by their parents, otherwise normal men and women who cannot handle the pressures of parenting. The subject of child abuse is explored in depth on *Raised in Anger* Thursday, Jan. 11, at 9 p.m. Hosted by Edward Asner of "Lou Grant," the hour-long program focuses on six parents who tell how and why they abused their children and how they sought help. At 10 p.m., a Penn State Television companion program, *Beyond Abuse*, will focus on local resources to help treat and prevent child abuse and on other aspects of the problem and its possible solutions.

Theatre festival

(Continued from page 1)

productions appear in the INTERCOM calendar above.

A national panel of judges views each competition and selects entrants for the national competitions which are held each year in Washington, D.C.

John Bayless, business manager for Penn State's Festival and University Theatres and host coordinator for the Region XII meeting, explains that registration for all events is open to any interested person.

Four registration plans are being offered. Full festival registration includes admission to all events. Individual registrations are also being offered for the plays, the Irene Ryan competition, and the workshops.

Information and registration are available from Mr. Bayless at Room 137 Arts Building, University Park, PA 16802, telephone 814-863-0381.

News in Brief

Interactive Computing Seminar Series to begin Jan. 16

A short series of seminars on interactive computing will be sponsored jointly by the Committee on Interactive Computing Requirements (Prof. M.C. Hallberg, chairman) and by the Computation Center.

All University faculty and graduate students who are interested in computer use are urged to attend. The committee anticipates that the information imparted will contribute toward the committee's charge of assessing the need for enhanced interactive computing service at Penn State. The committee plans to elicit faculty input on this subject by means of a survey.

The first seminar will be presented at 7:30 p.m. Tuesday, Jan. 16, in Room 111 Forum. The speaker will be Walter J. Doherty of IBM's T.J. Watson Research Center. Mr. Doherty will talk on "Human Factors: Impact on Interactive Computing."

Brotherhood Dinner to be held Jan. 14

The life and ideals of Martin Luther King Jr. will be commemorated Sunday, Jan. 14, at the third annual Brotherhood Dinner sponsored by the State College Chapter of the National Association for the Advancement of Colored People and the Forum on Black Affairs at the University.

Dr. Herman Branson, president of Lincoln University, will be the featured speaker at the dinner to begin at 6 p.m. at the Penn State Sheroes.

Additional information and tickets may be obtained by contacting Thelma Price, chapter president, at 865-1771, or Elmore Browne, 865-1779.

Law determines Unemployment Compensation pay

Editor's note: The following article was prepared by the Office of Personnel Administration.

The University has been a covered employer under the Pennsylvania Unemployment Compensation Law since Jan. 1, 1972.

Unemployment Compensation is a form of job insurance which protects individuals against loss of income if they become unemployed through no fault of their own. An individual qualifying for Unemployment Compensation benefits, as determined by the State Bureau of Employment Security, will receive Unemployment Compensation payments to help bridge the gap between periods of active employment.

Qualifications to receive Unemployment Compensation payments are based on the law and not on an individual's need. Payments are made only to persons who qualify. These legal determinations are made by the State agencies involved. The University does not determine eligibility for payment of benefits. It is the responsibility of the employee to make application for unemployment compensation benefits to a State Bureau of Employment Security office. Questions about eligibility and payment amounts are answered by that office.

Unemployment Compensation insurance is distinctly separate from the insurance commonly termed "Social Security," which protects individuals and their eligible dependents against loss of earnings upon retirement or death. Employers and employees each help to pay for Social Security. Such is not the case

Penn State volleyball team to meet Japanese All-Stars

Penn State's volleyball team will host an all-star collegiate team from Japan in an exhibition match at 2 p.m. Saturday, Jan. 13, in Recreation Building.

The Japanese College All-Stars are making their third consecutive tour to the United States this year and will play four NCAA teams and the U.S. national team. Last year, the Japanese won four of the five matches on their tour.

Tom Tait's Penn State team was third in the East last year and will open its season with this exhibition match.

Tickets are available at the Athletic Ticket Office in Rec. Bldg. at \$2 for general admission, \$3 for reserved seats.

Terrace dining room to be closed Saturdays

The Terrace Dining Room in the HUB will be closed Saturdays during Winter and Spring Terms, according to Louis A. Berenna, manager of HUB food services.

The Terrace Room will maintain its regular schedule on weekdays and on Sunday, remaining open from 11:30 a.m. to 1:15 p.m. and from 4:45 to 6:45 p.m. The Lion's Den lounge will serve a limited menu on Saturdays during Winter and Spring Terms from 7 a.m. to 1:30 p.m. The Den, which is closed Sundays, is open from 7 a.m. to 7 p.m. each weekday.

Blackstone tickets scarce; some may be had at door

Almost all tickets have been sold for The Blackstone Magic Show, to be presented Jan. 6, at 8:30 p.m. in Eisenhower Auditorium under the auspices of the Artists Series. A few tickets may be available at the door the night of the performance.

with Unemployment Compensation. Under the law, employers pay the total cost of providing unemployment compensation insurance for their employees. Individual employees do not pay any of the cost.

Any local office of the Bureau of Employment Security can answer questions about Unemployment Compensation regulations and procedures, and eligibility for Unemployment Compensation payments.

Student writing

(Continued from page 1)

Using the Semicolon," etc.). Advice is given on the use of italics, and "Four Rules and Lots of Advice about Using the Apostrophe." Another appendix deals with writing for business, describing what management expects in a business report.

Among other topic headings in the Manual are outlining, the active and passive voices, common students errors and paragraphing.

"The students learn what we expect," Dr. Powers comments, "and this expression of a firm standard is what introduces them to the FSHA major."

The reports submitted for FSHA 50 are saved so that when students progress to 316, they can refer to their earlier reports and both students and instructor can monitor the progress that has been made.

"Our faculty is now insisting on higher writing standards in all FSHA courses," Dr. Powers notes. "Sometimes, because of time constraints, it's not possible to pick out each and every grammatical error in a paper. But you can say what I do when I receive a very poor paper. I write: 'I stopped reading here. This paper is not on the level of communication we expect in this major. Rewrite it or take a zero.'"

"Professional students do not want a C

One-day surgery plan begun

A one-day surgery program, including a four-bed unit and an anesthesia clinic, has been initiated at the Hershey Medical Center.

Relatively minor procedures, such as vasectomies, cystoscopies and dental extractions, requiring short periods of anesthesia and minimal post-operative pain medication, are being dealt with on an outpatient basis in cases considered suitable by the surgeon, according to George P. Purvis III, associate hospital director. This saves the patient the difference between the normal room rate, which is currently \$136 per day, and the one-day surgery unit rate which is \$45. By arranging for one-day surgery, the patient can also limit the amount of time spent away from work and the home, thus increasing the value of such a course of treatment, Mr. Purvis said.

Generally, the patient will be scheduled for surgery, admission to the one-day surgery unit and the anesthesia clinic while a patient in the outpatient clinic. If possible, pre-operative testing will also be completed at this time. The patient will be seen in the anesthesia clinic during the two weeks prior to surgery and will have any remaining necessary pre-operative tests and procedures performed at this time.

On the day of surgery, the patient will be sent from the admissions office to the one-day surgery unit, where he or she will receive a nursing assessment, be premedicated at the appropriate time and stay until transferred to the operating room for surgery.

Following initial recovery in the recovery room, the patient will be returned to the one-day surgery unit for extended recovery. After being cleared by the surgeon, the patient will be discharged. The patient is required to have a responsible person available to escort him or her home, Mr. Purvis said.

or D grade in their major subjects, and we are beginning to notice a definite improvement in the papers they hand in. Last term, the number of bad papers in FSHA 50 dropped well below the old 30 percent mark.

"When you communicate standards to students in professional courses, you hit them where they live. I think this applies to students in all curricula. So maybe if we want to get Penn State students to write better, we, as instructors, have to ask them to."

Senate

(Continued from page 1)

cumulative credits would parallel the present decreasing allowable deficiency points with increased term standings."

Baccalaureate degree candidates would be dropped based on the following table:

Total credits scheduled-i.e. cum credits	Grade-point deficiency
24 to 39	21
40 to 69	18
70 to 99	15
100 and more	12

For associate degree candidates, the proposed table reads:

Total credits scheduled-i.e. cum credits	Grade-point deficiency
16 to 29	16
30 to 49	14
50 to 59	12
60 or more	8

The cost of the change would be approximately \$3,000, the committee estimates, and suggests an implementation date of approximately one month after the date of Senate approval of the proposal.

Staff Vacancies

The following vacancies for positions classified as staff except or staff nonexempt have been listed with the University Employment Office for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 11, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR OF UNDERGRADUATE ADMISSIONS - ADMISSIONS OFFICE, University Park Responsible to the Associate Director of Undergraduate Admissions for supervising a staff of admissions counselors and support personnel in the admission process of all types of undergraduate applications other than beginning Freshmen, namely, Advanced Standing (students transferring from other colleges and universities), readmission (former Penn State degree candidates (resuming studies), Provisional students (degree seeking), Nondegree students, and students changing from Provisional or Nondegree to Degree Candidates status. Interview and counsel prospective applicants for admission to all University locations. Evaluate records from other colleges and universities as a basis for awarding transfer credit. Handle heavy volume of correspondence and telephone communications. Proven managerial abilities and effective written and oral communications are essential. Bachelor's degree with two to four years of professional experience in admissions or related fields in higher education is required. A master's degree is desirable.

STATE 4-H/YOUTH PROGRAM DIRECTOR - COLLEGE OF AGRICULTURE, University Park Responsible for establishing in Pennsylvania 4-H/youth program goals and objectives. Responsible for maintaining an effective communication network with local, state, and federal 4-H/youth program officials and representatives in order to promote and sustain program activities. Responsible for planning and directing a continuing analysis and evaluation of 4-H/youth programs and services. Responsible for planning, developing and controlling an annual operating budget for the 4-H/youth program. Serve as leader and chief advocate for the State 4-H/Youth Program interests within the University, SEA, Extension, other organizations and with the general public. Master's degree, Ph.D. preferred or equivalent and over four years of up to and including seven years of directly related experience in a field relating to youth service, education and development.

AFFIRMATIVE ACTION SPECIALIST - PRESIDENT'S OFFICE - OFFICE OF PROVOST, University Park Responsible to the Affirmative Action Officer for performing the wide range of duties which insure compliance with Federal and State legislation and other laws and regulations governing equal employment and affirmative action. Requires knowledge of discrimination theories and affirmative action principles; ability to design, develop, and implement programs; ability to collect and analyze data; effective research techniques; effective listening and interpersonal communications skills, and written and oral communication skills. Bachelor's degree or equivalent is necessary, plus two to three years of directly related experience, preferably in a similar position.

HEALTH PHYSICS ASSISTANT - INTERCOLLEGE RESEARCH PROGRAMS, University Park Performs radiation and contamination surveys of radiolabelled laboratories nuclear reactor, X-ray equipment and other radiation sources. Calibrates and maintains radiation detection equipment. Assays various samples for radioactive material. Surveys and monitors for contamination of radiolabelled shipments and collects and processes radioactive waste. Maintains records of various health physics activities. Bachelor's degree in physical sciences, engineering or mathematics, with one to two years of directly related experience in laboratory work, preferably in radiology, nuclear instrumentation or health physics.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

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Penn State Intercom

News in Brief

Teaching seminar on Jan. 18

College of Agriculture faculty members will hold their second of four seminars on quality teaching at 3:30 p.m. Thursday, Jan. 18, in Room 108 of the Forum Building. Leading the seminar will be Dr. Helen I. Snyder, associate professor of educational psychology, on the topic, "Improving Your Teaching Behavior." Dr. Snyder has been asked to discuss the "sociology" of the teacher behind the lecturer and how to build a bridge of trust and credence between the teacher and the student. Faculty members of all Colleges are invited to attend her presentation.

Dr. Snyder is a past chairman of the University Senate and served recently as coordinator of the University's Basic Skills Program. She has been teaching for 35 years.

"Our goal is to improve constantly the quality of teaching," Dr. Jerome K. Pasto, Agriculture's associate dean for resident education, says. "The seminars should appeal to both resident and extension faculty—and to graduate students who are now teaching or who plan to do so."

Spring reserve lists due

Reserve reading lists for Spring Term 1979 should be submitted to the Reserve

Reading Room, W11 Pattee, on or before Jan. 22 to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Reserve Reading Room, W11 Pattee.

School psych doctoral program approved by APA

Penn State's doctoral program in school psychology has received provisional approval from the committee on accreditation of the American Psychological Association.

The accrediting team report praised the program's curriculum, the manner in which stated goals were met and the way the program met the needs of the State and local region.

The reviewers said the program combined theory and practice at early stages in the training, emphasized the value of research training and developed a sense of identity with the field in its students. Student morale, faculty-student

relationships and the quality of the faculty also earned high marks.

Another review will be conducted in three years. Provisional approval is a classification used for emerging programs well along in their development or for programs that are strikingly innovative, according to Dr. Joseph L. French, professor-in-charge of educational psychology and school psychology. "I believe we are emerging rather than innovative," Dr. French said.

Penn State's is the first program in Pennsylvania to be approved. Prior to this year, the only school psychology programs approved were at Hofstra, Minnesota, Rhode Island, Rutgers, South Carolina, Texas and Teachers College of Columbia University.

Ticket sale is Jan. 15 for women's gymnastic nationals

Tickets for the AIAW (Association of Intercollegiate Athletics for Women) National Gymnastic Championships will go on sale at 9 a.m. Monday, Jan. 15, at the Recreation Building Ticket Office.

The championships will be held at Penn State Friday and Saturday, March 30-31. The top 16 women's teams in the nation will be represented. Penn State is the defending national champion.

All seats are reserved, and admission for both days will cost \$8.

British Library changes "Closed Week" period

Dean Stuart Forth of the University Libraries wishes to advise faculty of a communication which he recently received from The British Library announcing a change in its annual closing from late spring to mid-fall.

Henceforth "Closed Week" will be the week following the last complete week in October, so in 1979 the Reading Room will be shut from Oct. 29 to Nov. 3.

Credit Union to hold annual meeting, elections

The annual meeting of members of the Penn State Federal Credit Union (PFCU) will be held at 7:30 p.m. Monday, Jan. 15, in Room 101 Kern Building. Elections will also be held at this time.

The Credit Union, established at Penn State in 1959, has assets of nearly \$3.5 million and is currently paying dividends of 6 percent, compounded quarterly on shares. Unsecured loans have been increased to \$5,000. The PFCU board meetings are scheduled the second Tuesday of each month at 12 noon, and members are invited to attend.

The Credit Union's office is open from 10 a.m. to 3:30 p.m. Monday through Friday (closed on University holidays) in the Telephone Building at University Park.

Arts Roundup

Artists Series to present Albee one-act plays

The Artists Series will present "Albee Directs Albee," two evenings of one-act plays by Edward Albee, on Saturday and Sunday, Jan. 20 and 21, at 8:30 p.m. in Schwab Auditorium.

The "Albee Directs Albee" project was sparked by the playwright himself about a year ago. Currently on a 40-week cross-country tour, the plays are *Fam & Yam*, *The Sandbox* and *The American Dream* (Jan. 20) and *Listening and Counting the Ways* (Jan. 21).

Mr. Albee, who has twice received the Pulitzer Prize for drama, is the author of *The Zoo Story*, *Death of Bessie Smith*, and *Who's Afraid of Virginia Woolf?* His *A Delicate Balance* and *Seascape* won Pulitzer Prizes.

The company of actors who will be performing the plays includes Eileen Burns, Catherine Bruno, Patricia Kilgarriff, Wyman Pendleton and Stephen Rowe.

Tickets for the plays will be on sale through Friday, Jan. 12, from 9 a.m. to 4 p.m. at the Artists Series HUB Booth and the Eisenhower Auditorium Box Office. If any tickets remain, they will be sold at Schwab Auditorium Box Office, which will open at 7 p.m. the evenings of the performances.

Exhibition of Dole collages to open Jan. 14 at Museum

An exhibition of collages by California artist William Dole will open Sunday, Jan. 14, at the Museum of Art and continue there through Feb. 27.

In conjunction with the exhibition, Mr. Dole will deliver a public lecture on his work at 10:30 a.m. on the closing day of the show in the Museum.

The show is titled "William Dole: A Retrospective Exhibition of Collages 1958-1978." It contains about 75 of the artist's



Collage by William Dole in Museum of Art show.

collages, which are his major medium.

The collage as an art form was introduced by cubist artists Pablo Picasso and Georges Braque in 1912. Mr. Dole, who began as a painter, says that his inspiration for making collages came in the mid-1950s during a sabbatical in Florence, where he purchased a portfolio containing a large amount and wide variety of papers.

From these sheets, which included maps, letters, bills and imported Japanese flower-making paper, he fashioned his first collages.

Since 1958 he has worked almost exclusively in this medium. He collects his papers from many sources and when he colors them, he uses watercolors.

Mr. Dole is a member of the art faculty of the University of California at Santa Barbara. He has held many one-man exhibitions in his home state and has had shows in London, Berlin, Rome, New York, San Antonio and Mexico City.

His current retrospective opened in New York's Staempfli Gallery in November of last year and will travel to the Allentown Art Museum, the Indianapolis Museum of Art and the Phillips Collection in Washington, D.C., after leaving Penn State.

On exhibition with the Dole retrospective will be three other shows.

Two are from the Museum's Permanent Collection, "Twentieth Century American Painting," closing Jan. 28, and "Watercolors and Drawings," closing March 4. "Twenty-six Contemporary Japanese Pottery" will open Feb. 18 and continue through April 15.

Bergman's "The Silence" at Schwab Jan. 17

The next film in the Artists Series Wednesday Series will be Ingmar Bergman's *The Silence* at 8 p.m. Wednesday, Jan. 17, in Schwab Auditorium.

The film depicts a world of despair in which God is silent. United since childhood in incest, two sisters struggle and part as the younger seeks her freedom in a heterosexual affair. The New York Post has called this film "Bergman at his most powerful."

Tickets will go on sale at the door starting at 7:30 p.m. the evening of the film.

Triolo concert to benefit Mu Phi Epsilon scholarships

A concert to benefit the scholarship funds of the Penn State chapter of Mu Phi

Epsilon, international professional music fraternity, will be presented by pianist Phyllis Triolo at 3 p.m. Sunday, Jan. 14, in the Music Building Recital Hall.

The program includes Partita VI in E minor by Bach; Beethoven's Sonata in F, Op. 10, No. 2; three works by Brahms, the Intermezzo in A major, Op. 118, and Intermezzo in E minor, Op. 118, and Capriccio, Op. 76; two Schubert pieces, Impromptu in G, Op. 90, and Impromptu in F minor, Op. 142; and Charles Griffes's Sonata (1917-18).

Ms. Triolo has presented a number of solo recitals and has also appeared as a guest artist with such groups as the Curtis Quartet of Philadelphia and Penn State's Alard Quartet.

Kern showing work of student printmakers

The Kern Commons Gallery is exhibiting the work of 48 outstanding printmaking students through Jan. 26.

The exhibit, "Young American Printmakers," was organized by Pratt Graphics Center and is sponsored on national tour by the Exxon Corporation, which purchased all of the prints for its permanent collection. Students from 16 universities and institutes have contributed to the collection.

The burst of experimentation that engulfed the art of printmaking in the 1960s and early 1970s is reflected in the 50 pieces on exhibit, which range from highly representative to completely abstract works.

Grad students in art to exhibit work at Zoller

The Winter Term graduate art students' exhibition, "Why We Do What We Do," will be on display at the Zoller Gallery Jan. 11 through Feb. 4.

The exhibition will include the works of 19 graduate students, who will show sculptures, paintings, prints, photographs, drawings, ceramics and graphics.

Penn Staters

Dr. Stanley F. Gilman, professor of architectural engineering, has been appointed a member of the White House Solar Project Advisory Committee. The Solar Project, recently announced by the Department of Energy, will install a solar hot water heating system in the West Wing of the White House. Dr. Gilman will represent the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) on the Advisory Committee. The system will cost around \$24,000, with an estimated annual saving of about \$1,000. Completion of the project is scheduled for spring 1979.

Roosevelt Green, assistant to the Dean of the Graduate School for minority affairs, presented the 116th Annual Emancipation Proclamation Address Jan. 1 in Augusta, Ga. His topic was "Nobody Does It Better: The Case for Black Self-help." The address is sponsored by the Lincoln League of Augusta, and previous speakers have included Supreme Court Justice Thurgood Marshall and Martin Luther King Sr.

Dr. Steven J. Danish, associate professor of human development, has been elected a Fellow in the division of community psychology of the American Psychological Association. In addition, he recently was awarded a diplomate in counseling psychology by the American Board of Professional Psychologists.

Dr. Winifred M. Phillips, professor of aerospace engineering, recently presented invited seminars on the engineering aspects of artificial heart and left ventricular assist development at The Institute of Medical Electronics, University of Tokyo; Department of Mechanics, University of Kyoto, Japan; and The Mahidul University, Bangkok, Thailand. He also presented an invited paper entitled "An Artificial Heart" at the International Conference on Cybernetics and Society at Senshu University, Tokyo.

Dr. Harry R. Allcock, professor of chemistry, recently presented two plenary lectures. He spoke on "Poly(organophosphazenes) — Macromolecules with a Difference" at the Ninth Biennial Polymer Symposium held at Key Biscayne, and on "Poly(organophosphazenes) — First Steps in an Inorganic Approach to Polymer Chemistry" at the Federal University of Rio de Janeiro. He also presented an invited seminar to the chemistry department at the University of Toronto on "Small Molecule Inorganic Rings as Models for High Polymeric Chains."

Joachim F. Wohlwill, professor of man-environment relations, recently participated as a featured speaker in a symposium on "Environmental and Every-day Representativeness in Psychological Research," held at the Technical University in Berlin, Germany. He presented a paper on "Ecological Representativeness in Developmental Research: A Critical View."

Dr. Peter D. Bennett, professor of marketing, spoke at the Oklahoma State University's Distinguished Lecturer in Marketing series last month. He led a seminar of faculty, graduate students and business executives on "Market-Driven Strategic Planning."

Two Penn State research associates have received the 1978 Technical Research Award presented for outstanding technical achievement in behalf of the University's Applied Research Laboratory (ARL). Dr. Gerald C. Lauchle received the award for his innovative theory of noise generated underwater by a moving object. Dr. Suzanne T. McDaniel was the awarded for her work in the field of predation and measurement of sound propagation in shallow water.

Dr. Thomas M. Kando, associate professor of recreation and parks, presented an invited paper at the University of Quebec at Trois Rivières on the subject of "Popular Culture and Cultural Imperialism." He also conducted a graduate seminar and lectured on the state of current leisure research in the United States. These activities were carried out in French.

William C. Brown, Washington County Extension agent since 1964, has been appointed Greene County Extension director, effective Jan. 15. Mr. Brown holds two Penn State degrees, a 1961 bachelor of science in animal science and a 1968 master of agriculture in extension education.

Frank Clemente, associate professor of sociology, was elected to a three-year term on the council of the Environmental Section of the American Sociological Association (1979-1981).

The American Institute of Graphic Arts chose a two-page spread from "Photography: The Selected Image" for inclusion in *Insides '78*, a nationally circulated exhibition, which opened in New York City last month. The brochure was designed by Marilyn Shobaken, art editor in Publications. Two other catalogs designed by Mrs. Shobaken won awards in the 1978 University and College Designers Association annual contest. Winners were "Kenneth Beittel, Master Potter," and "Kulicke," "John Koch, Painter," designed by art assistant Richard Villastrigo, received a silver award in *Neographics '78*, a competition sponsored by the Printers Institute of America.

Bookshelf

Dr. Herschel W. Leibowitz, Evan Pugh professor of psychology, is co-editor of two recent books. The first, a 900-page volume called *Perception*, is volume 8 in the *Handbook of Sensory Physiology* series published by Springer-Verlag, one of the world's largest publishers of scientifically related texts. The other editors are Drs. Richard Held and H.L. Teuber of the Massachusetts Institute of Technology. The book looks at what science already knows about visual and other types of perception, and what is still to be learned — mostly regarding the brain.

The second book, *Psychology: From Research to Practice*, was co-edited by Jerome E. Singer, formerly of Penn State and now chairman of Behavioral Sciences at the Armed Forces Medical School, Bethesda, Md.; Herbert L. Pick, University of Minnesota; Alfred Steinschneider, University of Maryland; and Howard W. Stevenson, University of Michigan.

This book documents the contribution psychology has made to society. It is divided into four sections: developmental and educational practice, physiological and social problems, clinical applications in basic research, and applications of psychophysics and human performance information. Dr. Leibowitz's research is described in the final section.

Dr. Graham B. Spanier, associate professor of human development and sociology, is the editor of a new undergraduate textbook, *Human Sexuality in a Changing Society*, published by the Burgess Publishing Company.

The text is intended for use in undergraduate classes in which significant attention is given to human sexual behavior. It offers a multidisciplinary approach, including biological, psychological and sociological perspectives.

The volume contains both research and non-research selections, but its unique dimension is the inclusion of more than 20 feature selections illustrating the richness of information on sexual behavior that can be found in the media, in the professional literature, and in important works of American literature.

Retirements

Dr. Beckford Coon, professor and head of entomology, retired Jan. 1. He had been a member of the faculty since 1943.

Dr. Coon earned B.S. and M.S. degrees from the University of Idaho and a Ph.D. at Ohio State. Before coming to Penn State, he was an assistant entomologist and assistant extension entomologist at North Carolina State College.

From 1943 to 1955, Dr. Coon was stationed at the Southeastern Field Research Laboratory and was in charge of that facility from 1948-55. During this period, he conducted research on chemical control of potato and tobacco insects.

More recent research has dealt with insect resistance of small grains to virus transmitting aphids.

Dr. Coon was named acting head of the Department of Entomology in 1963 and became head in 1965. He has served on various committees and on the Integrated Pest Management State Advisory Committee and has been active in professional societies.

In addition, he spent three months in India with the U.S./AID team advising on entomological programs.

Esther R. Hart, Extension home economist in Washington County, retired Dec. 31 after 41 years of Extension service. She started in 1937 in Venango County and assumed her present position in 1956. Ms. Hart has a B.S. in home economics from Penn State and an M.S. in rural education from Cornell University. Holder of the Distinguished Service Award of the National Association of Extension Home Economists, she also was awarded the Grace Frysinger Fellowship for travel and study and the Charles Pfizer award for full-time graduate study. She served as president and secretary of the Pennsylvania Association of Extension Home Economists.

Benjamin W. Niebel, professor and head of the Department of Industrial and Management Systems Engineering, retired from the University Dec. 31 with emeritus rank after more than 31 years of service.

Prof. Niebel, who received a B.S. and two graduate degrees from Penn State, joined the faculty in 1947. Since that time he has taught both graduate and undergraduate students in such subject areas as work measurement, designing for production, methods engineering, and operations analysis. He has lectured widely in this country and in Japan, Korea, the Philippines, Thailand, India, Mexico, and Latin America.

In 1955 Prof. Niebel was appointed head of the Department of Industrial Engineering. Under his guidance, a graduate program was developed and the department's process engineering laboratories became some of the best known in the country.

A creative engineer, Prof. Niebel copyrighted a nomogram, a device attached to a time study board to facilitate performance rating procedures, and a punch tape drive for use with conventional memorandum equipment. He holds five patented inventions in the medical field, is the author of nine books and has written many articles for the professional journals.

Prof. Niebel is a Fellow of the American Institute of Industrial Engineers (AIIE) and past national vice president of its education and research division. He was national chairman of the Industrial Engineering Division of the American Society for Engineering Education and past president of the local chapter of the Society for the Advancement of Management. This year AIIE's Central Penn Chapter awarded a scholarship in honor of Prof. Niebel's retirement.

Prof. Niebel holds the Frank and Lillian Gilbreth Industrial Engineering Award for 1976, the highest honor which AIIE bestows, for his writings in work measurement and designing for production.

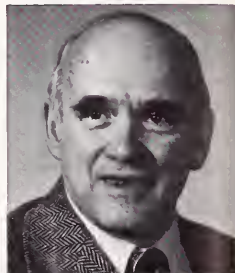
At Penn State, he was a member of the University Faculty Senate and served on the Senate Council and the Graduate School Council.



Beckford Coon



Esther Hart



Benjamin Niebel

Obituaries

Dr. Pearl O. Weston, former dean of women at the University, died in Pittsburgh Dec. 31.

Dr. Weston came to Penn State as assistant to the dean of women in 1942, and served as dean of women from 1946 to 1959, when she retired. She began her career as an elementary school teacher in 1912, and later taught in junior and senior high schools. For several years, she was affiliated with the Pittsburgh public schools.

Dr. Weston was a 1929 graduate of Penn State. Her M.A. and Ph.D. degrees were conferred by Duquesne University.

Archie C. Hug, an assistant agricultural county agent from 1944 to 1966, died Dec. 5. He was born March 23, 1901, in Germania Pa.

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25-year Awards

Dr. Ruth Graybill Boldorf, assistant professor of chemistry at the Berks Campus, was recently honored for her 25 years of service to Penn State.

Dr. Boldorf joined the Berks Campus faculty in September 1969 after serving as a chemistry instructor at the Ogotz and McKeesport Campuses.

A native of Oberlin, Pa., she received a B.A. in chemistry and mathematics from Susquehanna University, an M.S. in nutrition from Columbia University, and a Ph.D. in chemistry from Penn State.

Dr. Boldorf also completed a summer course at Brooklyn Polytechnic Institute and was the recipient of two National Science Foundation science faculty fellowships, and a summer grant for advanced study at Penn State.



Francis E. Kaprocki, a research associate in the Applied Research Laboratory, recently received a 25-year chair from the University.

A 1951 B.S. graduate in Television Engineering from the American Television Institute of Technology, Mr. Kaprocki has been doing research for ARL since 1952.

During this time, he has designed, supervised construction of, and operated acoustic-electronic equipment for sound transmission.

For two years Mr. Kaprocki was employed by HRB-Singer, Inc., participating in a methodology study of intruder detection by sonic and ultra-sonic means.

A registered professional engineer, Mr. Kaprocki has also served as an assistant professor of engineering research.



Frank P. Mansuy, assistant professor of English at the Worthington Scranton Campus, has been awarded a chair and plaque in commemoration of 25 years of service at the University.

Prof. Mansuy is a graduate of the University of Scranton with a B.A. degree in English. He received his M.A. in speech from Penn State and joined the Campus's faculty in September 1953 after work in radio broadcasting.

He has been active on a number of Campus committees, including serving as president and vice president of the Faculty Committee and chairman of the Campus Senate.

Prof. Mansuy has had a number of articles published in scholastic journals and received an honorary doctorate for activities in behalf of America's forebears from the London College of Science.

19 curators named to care for collections

Seeking to better protect, preserve and utilize its collections of hundreds of thousands of plant, animal and fossil specimens, the University has appointed 19 official curators.

Under a program called "Systematics Collections," each curator will inventory and catalogue his collection; protect it from damage, such as from moisture and pests, and try to enlarge it.

A University Committee on Systematics Collections was appointed in 1973 by Dr. Richard G. Cunningham, vice president for research and graduate studies. Its chairman is Dr. K.C. Kim, associate professor of entomology and curator of the University's Frost Entomological Museum.

"The program is designed," explains Dr. Cunningham, "not only to enhance and catalogue the collections, but to protect them from damage, or from being thrown or given away. This sometimes happens when the person who cared for a collection is no longer around."

"The collections that have been chosen for the new system are underutilized and underrecognized resources of great importance — for researchers, students and the public alike. Unfortunately, they are too often partially neglected."

"Although new funds are not being committed to the program at this time, it is hoped that this recognition will enhance the activities of the program, and be of help to the responsible curators in carrying out their duties."

The curators, appointed for an indefinite period, will take care of their curatorial duties in addition to their teaching and research.

The collections and their curators are:

The Frost Entomological Museum, Dr. Kim; Mammals, Dr. George M. Kelly, assistant professor of wildlife ecology; Natural History, Dr. John L. George, professor of wildlife management; *Escherichia coli* Reference Collection, Dr. Paul J. Glantz, professor of veterinary science.

Mushroom Culture, Dr. Lee C. Schisler, professor of plant pathology; Fusarium Culture, Dr. Paul E. Nelson, professor of plant pathology; Apple Variety Museum, Dr. C.M. Ritter, professor of pomology; The Penn State Arboretum, Dr. J.R. Nuss Jr., associate professor of ornamental horticulture extension.

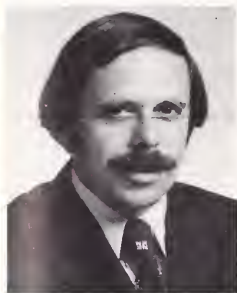
Paleobotany Collection, Dr. Roger J. Cuffey, associate professor of paleobotany; Paleontological Collection and Voucher Herbarium, Dr. Alfred Traverser, professor of paleontology; Fossil Vascular Plants, Dr. William Spackman, professor of paleobotany; Earth and Mineral Sciences Museum and Art Gallery, David E. Snell.

Physical Anthropology, Dr. Robert B. Eckhardt, assistant professor of anthropology; Museum of Anthropology, Dr. James W. Hatch, assistant professor of anthropology.

Bryological and Lichenological Herbarium, Dr. Ronald A. Pursell, professor of botany; Mycological Herbarium, Dr. C. Leonard Fergus, professor of botany; Phycological Herbarium, Dr. Charles J. Hillson, professor of botany; Vascular Plants Herbarium, Dr. Carl S. Keener, associate professor of biology; Vertebrate Collection, Dr. Edwin L. Cooper, professor of zoology.

Architectural seminars planned

The Department of Architecture has begun plans for a series of seminars for architects in Pennsylvania and surrounding states. Penn State representatives will collaborate with the Pennsylvania Society of Architects in organizing the courses, which will be aimed towards professional architects working in the field.



Ronald Lench



Edward Zemprelli

New trustees to attend Jan. 19-20 meeting

The University's two new trustees, State Senate Majority Leader Edward P. Zemprelli and Secretary of General Services Ronald G. Lench, will attend their first meeting of the Board of Trustees on Jan. 19 and 20 at University Park.

Mr. Zemprelli and Mr. Lench, both Penn State alumni, were named to the Board of Trustees by Governor Milton J. Shapp; their appointment is being confirmed by the Senate on Nov. 14. Their three-year terms will expire July 1, 1981.

Mr. Zemprelli, 53, has represented Allegheny and Westmoreland counties in the Senate since 1969. He was elected majority leader by the Democratic Caucus on Dec. 4, replacing Henry C. Messinger in the post. Before his election to the Senate, Mr. Zemprelli had served for six years in the Pennsylvania House of Representatives.

A native and resident of Clairton, he graduated from the University in 1945 with a B.A. in liberal arts. At Penn State, he was president of Sigma Chi fraternity and a representative on the Inter-Fraternity Council. He also belonged to Skull and Bones, Delta Sigma Rho, Phi Alpha Delta and the National Forensic Society. He earned a letter as manager of the boxing team, and participated in both the University choir and the debating team.

Mr. Zemprelli entered the University of Pittsburgh Law School in 1946, graduating with the LL.B. degree. Admitted to the Allegheny County Bar, he began private

practice as an attorney in 1950. Before his election to the General Assembly, he served as solicitor to the City of Clairton for eight years and as chairman of the Democratic Party of Clairton for four years. He and his wife, the former Margaret Antoinette, have a daughter, Clara, a freshman at University Park.

Mr. Lench, 46, has been secretary of General Services for the Commonwealth since 1975, the same year he was selected as a Distinguished Alumnus of the University.

He entered State government as a member of the House of Representatives from Beaver County from 1965 to 1968. After declining to run for a third term, he worked as executive assistant to the House majority leader in 1969-70. In 1971 he was appointed secretary of administration, and in 1974 was named the governor's legislative secretary.

Mr. Lench received a B.A. in accounting from Penn State in 1954. After graduating from the University of Pittsburgh Law School in 1957, he engaged in general law practice in Beaver County for 10 years, including a two-year stint as assistant district attorney.

He served as the governor's representative on the University's Board of Trustees from 1971 until his appointment as a trustee in November.

He is married to the former Susan Mark, and the couple have two daughters, Jennifer Ann and Myra Jo.

WPSX Highlights

Footsteps, a 20-week University of the Air series about the way children learn and grow from birth to age five, begins Friday, Jan. 12, at 9 p.m. Hosted by Rob Reiner (of "All in the Family") and his wife Penny Marshall (of "Laverne and Shirley") and Mike and Judy Farrell (of "M*A*S*H"), the series features dramas about five fictional families that illustrate the options and alternatives open to parents in dealing with young children. Footsteps is part of a noncredit course through Independent Study by Correspondence. For more information, contact 3 Shields Building.

Saturday, Jan. 13, at 10 p.m., Cinema Showcase presents *Volcano: An Inquiry into the Life and Death of Malcolm Lowry*, the acclaimed 1976 documentary about one of the great literary geniuses of this century. Produced by Donald Britten of the National Film Board of Canada, "Volcano" uses Lowry's own life to illuminate his works, the most notable of which is *Under the Volcano*, a book which parallels the author's personal odyssey through a life of homosexuality, guilt, paranoia, alcoholism, and insanity.

The Buffalo Philharmonic presents a live concert on Martin Luther King Day, Monday, Jan. 15, at 9 p.m., to honor the civil rights leader and the progress that has been made in the area of civil rights. Among those appearing on *A Tribute to Martin Luther King, Jr.* is Clamma Dale of the New York City Opera.

Newly appointed conductor Zubin Mehta leads the New York Philharmonic in the live concert presented in New York's Avery Fisher Hall on Live From Lincoln Center, Wednesday, Jan. 17, at 8:30 p.m. Violinist Itzhak Perlman is the guest soloist. The program includes Stravinsky's "Scherzo Fantastique," "Fireworks," and "Scherzo à la Russe," and Tchaikovsky's Violin Concerto.

On May 14, 1948, the British formally terminated their protective jurisdiction over the region of Palestine, an action which culminated in the founding of the country of Israel. Thursday, Jan. 18, at 9 p.m., Palestine presents the first of three programs tracing the emergence of the Jewish state from 1918 to 1948.

University Park Calendar

Jan. 11-21

Special Events

Thursday, Jan. 11

FSHA, 19th Century French Dinner in La Tavernette Bretonne, 5:30 p.m., Maple Room, Henderson. Reservations, 865-7471.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

American College Theatre Festival, Region 12 final competition, Muhlenberg College, Thornton Wilder, *Our Town*, 8 p.m., The Playhouse. Ticket information, 863-0381.

Friday, Jan. 12

American College Theatre Festival, Region 12 final competition, Adelphi College, Tennessee Williams, *Eccentricities of a Nightingale*, 1 p.m., Behrend College, Michael Christoffer, *The Shadow Box*, 9 p.m., The Playhouse.

Commonplace Theatre, *Return of the Pink Panther*, 7 and 9 p.m., Room 112 Kern.
SFO Film, *The Exorcist*, 7, 9:15 and 11:30 p.m., Room 102 Forum.

Artists Series, Eugenia Zukerman, flute, and Carlos Bonell, guitar, 8:30 p.m., Schwab.

Saturday, Jan. 13

Last date for final oral doctoral examinations for March graduates.

Last date for March graduates to deliver masters theses or papers to adviser.

Sports: men's fencing, vs. Jersey City, 11 a.m., vs. Johns Hopkins, 2 p.m.; men's volleyball, Japanese College All-Stars, 2 p.m.; men's and women's gymnastics, vs. Pittsburgh, 7:30 p.m.

American College Theatre Festival, Region 12 final competition, Hofstra University, Ray Lawler, *The Summer of the Seventeenth Doll*, 1 p.m.; Lycoming College, Henrik Ibsen, *Peer Gynt*, 9 p.m., The Playhouse.
France-Cinema, *Jonah Will Be 25 in the Year 2000*, 7 and 9 p.m., Room 112 Kern.

Sunday, Jan. 14

University Chapel Service, 11 a.m., Eisenhower Chapel, Virginia Thornton, Black Studies Program, speaker.
Mu Phi Epsilon Scholarship Benefit Concert, Phyllis Triolo, piano, 3 p.m., Music Bldg. Recital Hall.

Forum on Black Affairs/NAACP Brotherhood Dinner, Herman Branson, president, Lincoln University, speaker, 6 p.m., Sheraton Hotel.
France-Cinema, *Jonah Will Be 25 in the Year 2000*, 7 and 9 p.m., Room 112 Kern.
ARKS Winter Festival Concert, Haddance, 8 p.m., HUB Ballroom.

Monday, Jan. 15

Deadline for IAHS faculty research grants for

Summer and Fall Terms (1979), Ihseng, Cottage.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Penn State Federal Credit Union, annual meeting and elections, 7:30 p.m., Room 101 Kern.

Tuesday, Jan. 16

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel Sunco, College Lodge, Linda K. Slavov, languages, "Hagiography in Dostoevski's *Druiks*, Stavrogin and Kirillov as Anti-saints."

History Colloquium, 2:30 p.m., Room 101 Kern.
Barbara T. Norton, graduate student in history, on "Russian 'Freemasonry' and the February Revolution of 1917."
Comp. Lit. Film Series, Claretta Pasolini, *Tormenta*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Jan. 17

Sports: men's swimming and diving, vs. Villanova, 4 p.m.; men's basketball, vs. West Virginia, 8:10 p.m.

Artists Series film, Ingmar Bergman, 1963, *The Silence*, 8 p.m., Schwab.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, student preview, 8 p.m., The Pavilion Theatre.

Music Educators' National Conference, Student Recital, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 18

College of Agriculture seminar on quality teaching with Dr. Helen Snyder discussing "Improving Your Teaching Behavior," 3:30 p.m., Room 108 Forum Building.

University Theatre, Paul Zindel, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Friday, Jan. 19

Board of Trustees meeting, Keller Bldg. Candlelight Dinner, "Winter Wonderland," 4:45-6:45 p.m., HUB Terrace Room.

Commonplace Theatre, *The Hobbit*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Jan. 20

Board of Trustees meeting, Keller Bldg. Sports: wrestling, vs. Clarion, 2 p.m.; men's and women's gymnastics, vs. Temple, 7:30 p.m.

France-Cinema, *Alice and the Cities*, 7 and 9 p.m., Room 112 Kern.

University Readers, Kurt Vonnegut, *Welcome to the Monkey House*, 8 p.m., Room 102 Kern.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Artists Series, Albee plays, *Fam and Yam* (1959), *The Sandbox* (1959) and *The American Dream* (1960), 8:30 p.m., Schwab.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 21

University Chapel Service, 11 a.m., Eisenhower Chapel, Marni Polite, Unitarian Fellowship, State College, speaker.

Mark Chubbuck, piano, 3:30 p.m., Music Bldg. Recital Hall.

Commonplace Theatre, *The Hobbit*, 7 and 9 p.m., Room 112 Kern.

University Readers, *Welcome to the Monkey House*, 8 p.m., Room 102 Kern.

Artists Series, Albee plays, *Listening* (1975) and *Counting the Ways* (1976), 8:30 p.m., Schwab.

Seminars

Friday, Jan. 12

Analytical Chemistry, N. Redman, graduate student, on "Bonded Phases in Chromatography," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Dr. M. Albert Vannice, chemical engineering, on "The Hydrogenation of Carbon Monoxide on Supported Metal Catalysts," 4 p.m., Room 333 Whitmore.

Tuesday, Jan. 16

Biochemistry and Biophysics, Gordon Hamilton, chemistry, on "Biological Redox Reactions," 11:10 a.m., Room 101 Althouse.

Biology, Andrea Mastro, biochemistry and biophysics, on "Tumor Promoters and Lymphocyte Stimulation," 11:10 a.m., Room 8 Mueller.

Food Science, Missy Mayer, graduate student, on "Effects of Ethylene Treatments on the Ripening of Avocado Fruits," and Jim-Wen Liu, graduate student, on "Agarsine Concentration in Fresh Mushrooms from Different Sources and Its Changes during Post-harvest Storage," 11:10 a.m., Room 201 Borland.

Geosciences, Barry Scheetz, Materials Research Lab, on "Waste-Rock Interaction under Relevant Geologic Repository Environments," 3:45 p.m., Room 112 Walker.

Genetics, Joseph Stout, graduate student, on "Recombinant DNA Research: Scenario of 'Political Science,'" 3:55 p.m., Room 111 Tyson.

Plant Pathology, Alan Biggs, graduate student, on "Isolation and Uses of Protoplasts in Plant Pathology," 3:55 p.m., Room 213 Buckholz.

Interactive Computing, Walter J. Doherty, T.J. Watson Research Center (IBM), on "Human

A daily calendar of events is available around the clock at 865-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Factors: Impact on Interactive Computing," 7:30 p.m., Room 111 Forum.

Wednesday, Jan. 17

Computation Center, "Graphics," (2 of 4), background in introductory programming suggested, 7:30 p.m., Room 112 Osmond.

Thursday, Jan. 18

Chemistry, F.M. Richards, Yale University, on "Different Approaches to Protein Structure and Folding," 12:45 a.m., Room 333 Whitmore.

Physics, Michael J. Mumma, Goddard Space Flight Center, on "Recent Progress in Sub-Doppler Infrared Spectroscopy of Mars and Venus," 3:30 p.m., Room 117 Osmond.

Acoustics, Dr. Otakar A. Horna, Communications Satellite Corp., on "Adaptive Filter for Cancellation of Echo in Long Distance Telephone Lines," 4 p.m., Room 73 Willard.

Friday, Jan. 19

Analytical Chemistry, T.C. Potter, graduate student, on "Continuous Analysis of Flow Systems," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Tien Tsong, physics, on "Experiments with Individual Atoms on Metal Surfaces," 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open Monday and Wednesday, 9 a.m.-5:30 p.m., Tuesday, 9 a.m.-1 p.m. and by special appointment, 865-3853. Mexican and North African ceramics.

Chambers Gallery: Philip Steven Sollman, wood and stained glass.

HUB Gallery: Smithsonian Institution exhibit, "A Cartoon History of American Foreign Policy," Central PA. Scholastic Art Awards exhibit, opens Jan. 14.

Kern Commons Gallery: Young American Printmakers, prints from 16 art schools and universities.

Museum of Art: open noon-5 p.m. daily, closed Mondays. European paintings, drawings and sculpture. American twentieth century paintings, drawings and watercolors, all from the permanent collection.

William Dole, a retrospective exhibit of collages, 1958-1978, opens Jan. 14.

Pattee Galleries: East Corridor Gallery, Jay Freil, etchings; Landing Services Lobby, Dave DiPietro, drawings and watercolors, both through Jan. 15.

Zoller Gallery: open 8 a.m.-5 p.m., weekdays, noon-5 p.m., weekends. Graduate students' show, opens Jan. 11.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1287 (exterior, line 475-1287). Applications for these staff vacancies will be accepted until 5 p.m. Jan. 18, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment Practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

MANAGER, AMBULATORY SERVICES — COLLEGE OF MEDICINE, Hershey Responsible to the Assistant Hospital Director for the administration and coordination of the Outpatient Department, the Emergency Care Unit and the Ambulant Care Unit. Bachelor's degree or equivalent with three to four years of directly related experience.

CONFERENCE COORDINATOR — CONTINUING EDUCATION, University Park Responsible for the functions of development, organization, operation and administration of Continuing Education programs and conferences, and services for off-campus groups using University facilities. Bachelor's degree. Two or three years of direct related experience in business, industry or education desirable.

ASSISTANT MANAGER, MEDICAL RECORDS — COLLEGE OF MEDICINE, Hershey Responsible to the Manager, Medical Records, for administrative assistance in the day-to-day operation of the department, as well as the supervision of various clerical sections to insure timely completion and accuracy of assigned tasks. A bachelor of science degree in medical record administration or a graduate of an approved program in medical record administration or equivalency, plus registration as a Registered Records Administrator or eligible for registration and one-to-two years of directly related experience.

PRODUCER/DIRECTOR — CONTINUING EDUCATION, University Park Planning and coordination of all phases of assigned production projects. Administration of assigned projects. Development of program content for television and/or film productions. Planning, coordinating, scheduling of talent, technical personnel, equipment, etc. Assist Executive Producer in development of new program ideas. Bachelor's degree, or equivalent, plus one to two years of directly related experience in television and film production.

INSTRUMENTATION AIDE — COLLEGE OF SCIENCE, University Park Responsible to the Supervisor, Research Instrument Group, for the system development, operations, maintenance and construction of instrumentation in the Biochemistry and Biophysics Department and Chemistry Department. Associate's degree, or equivalent, in electronics required, plus two to three years of directly related experience with instruments or electronic components of instruments. Experience with computer systems and analytical instruments and a basic knowledge of chemistry, physics and mechanics is highly desirable.

SYSTEMS PROGRAMMER — MANAGEMENT SERVICES, University Park Systems Programmer needed for MVS with HASP shop that is converting to MVS and JES2. Other software includes TSO, CICS, VTAM, and NCF. Experience in generating and supporting any of the above software is desired. Working knowledge of BAL is also desired. Bachelor's degree or equivalent, with one to two years of directly related experience in data processing with a good working knowledge of at least one programming language (COBOL, PL/I, ASSEMBLER). Also, an understanding of Job Control Language system utilities and basic data set structures is required.

From the Press

The Owl and the Rossettis: Letters of Charles A. Howell and Dante Gabriel, Christina, and William Michael Rossetti. C.L. Cline, editor. 261 pages. \$12.50.

The correspondence between the leading art agent of the mid-Victorian period, "The Owl" or Charles A. Howell, and the family of his chief client, Dante Gabriel Rossetti, may be the most complete record of the artist-agent relationship. In this volume, the letters are published for the first time.

The letters also provide much new

information about a leading artist-poet, the Pre-Raphaelite circle, and the leading London artists and writers beyond that circle, from Madox Brown to Swinburne.

The then-new role of artist's agent was defined in many respects by Howell, who emerged in 1866 as Ruskin's secretary with a sideline as art salesman and interior decorator. During the 1870s he became the friend and business associate not only of D.G. Rossetti, but also of Whistler, G.F. Watts, Burne-Jones, Sandys, and other major artists.

Dr. Cline, the Ashbel H. Smith Professor Emeritus of English at the University of Texas at Austin, also provides an introduction, notes, and index.

Corpus Palladianum, Vol. VII, The Villa Badoer at Fratta Polesine, by Lionello Puppi. 110 pages, 145 illustrations. \$30.

This volume is part of a comprehensive multi-volume series of monographs, each of which is devoted to one of Andrea Palladio's major buildings. The best known architect of the Veneto in the 16th century, Palladio developed theories of proportion which profoundly influenced the 18th century classical revival.

Penn State Intercom

News in Brief

Senate has light agenda

The University Faculty Senate at its Jan. 9 meeting approved a proposed change in Senate Policies 54-52 and 54-54.

The new policies provide for the use of cumulative credits instead of term standings as a criterion for basing drop actions. (See INTERCOM, Jan. 5)

The Senate also heard a report commissioned by the Committee on Admissions, Records and Scheduling on the academic consequences of University admissions policies. The report was presented by Leonard Brush, director of Institutional Research. Several charts from this report appear on page 4.

Automated circulation to begin Jan. 22 at Pattee

Monday, Jan. 22, at 1 p.m. the University Libraries will begin issuing materials to borrowers with a new automated circulation system.

Borrowers will present an identification card which will be read electronically at a circulation terminal, along with the book label. The information will then be entered and stored in the computer data base, and the terminal will produce a slip identifying borrower, item and date due.

The basic loan period will continue to be four weeks, except for "special permission" materials.

Because of the greater capacity to carry out record searches provided by automation, the Libraries' special lending services — personal reserves, recalls and

renewals — will be enhanced, according to Charles Ness, assistant dean of libraries. The change in procedures will also bring a new fine structure. (See INTERCOM, Dec. 7 and 14.)

Major medical claims due by March 31

March 31, 1979, is the last date on which the Employee Benefits Division will accept charges for a 1978 major medical claim for University employees or their dependents.

A major medical claim is established if an employee reports \$100 of eligible, out-of-pocket medical expenses incurred during the 1978 calendar year.

Charges that are accepted for a major medical claim include doctors' office visits, prescribed drugs, private duty nursing (if medically necessary), local ambulance service, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for eligible charges and submitted to the Employee Benefits Division with a claim form. In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 133 Willard Building; the Business Offices at locations other than

(Continued on page 4)

PSU professor and a trustee nominated for State posts



Mr. Hallowell

Penrose Hallowell, a University alumnus and trustee, has been appointed by Governor Richard Thornburgh as Pennsylvania Secretary of Agriculture, pending Senatorial confirmation.

As Agriculture Secretary, Mr. Hallowell says he would give top priority to the preservation of agricultural land throughout the Commonwealth.

A 1950 graduate of Penn State with a B.S. in agricultural economics, he was elected in 1977 to the University's Board of Trustees by delegates of county agricultural societies.

Mr. Hallowell, 50, is the owner of Pennywell Farms, a 290-acre holstein dairy operation in Ottsville, Bucks County. In the fall of 1977, he was named director of the "Farmers for Thornburgh" campaign organization.

From 1969 to 1977, he served as State director of the federal Farmers Home Administration. Since then, he has been a grants coordinator for Bucks County. From 1951 to 1969, he was a sales agent with Nationwide Insurance. He has also served as a U.S. Department of Agriculture representative to the Federal Regional Council.

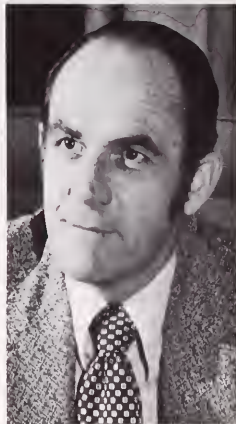
Mr. Hallowell has been active in a number of civic and professional organizations. On the State level, he served as chairman of the "Clean & Green" Constitutional Amendment Committee and was a member of the Pennsylvania Solid Waste Management Study Committee.

As regards his alma mater, he has been a director of the Penn State Alumni Club of Bucks County and president of the Penn State Ag Alumni Association. And at the time of his nomination as Agriculture Secretary, Mr. Hallowell was in New Orleans, where he had gone to see the Sugar Bowl game.

He and his wife, Marian, have four children. One of their sons will oversee the day-to-day operations of the family farm while Mr. Hallowell is in Harrisburg.

Since the Agriculture Secretary is also an ex-officio trustee of the University, the

(Continued on page 4)



Dr. Larson

Dr. Thomas D. Larson, professor of civil engineering and director of the Pennsylvania Transportation Institute at the University, has been appointed by Governor Richard Thornburgh to head the Pennsylvania Department of Transportation.

Dr. Larson says his two immediate concerns will be to restore integrity in PennDOT and to improve its cost-effectiveness.

"My priorities have to be on building an organization that can provide transportation programs. We must restore confidence in PennDOT and make it run efficiently; after that, there is a whole litany of needs to attend to."

High among those needs, he adds, is the problem of the Commonwealth's approximately 6,000 deteriorating bridges.

PennDOT, Dr. Larson points out, is a billion-dollar department that employs 17,000 persons and controls 45,000 miles of roads. "It seems to me that the citizens of Pennsylvania have every right to be concerned that PennDOT's money is being spent in an effective way. PennDOT has to become a more efficiently-managed, smoother-working organization."

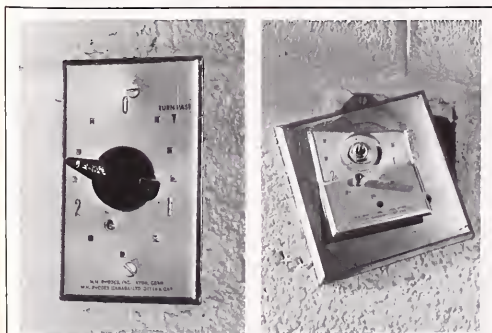
Toward this end, he says he intends to implement the recommendations of a PennDOT management study recently completed by the Pennsylvania Economy League.

A native of Philipsburg and a resident of Lemont, Dr. Larson says he is aware of the road problems besetting central Pennsylvania. "But my main concern will be to identify the most critical, pressing problems in the State as a whole."

Before he can do so, however, his appointment must be confirmed by the State Senate. He will appear before that body in early February.

Since Dr. Larson will be on a leave of absence from Penn State during his tenure at PennDOT, the University must appoint a new director of the Pennsylvania Transportation Institute. The responsibility for selection lies with the Office of the Vice President for Research

(Continued on page 4)



Timer at right with bent plate is in ground floor classroom in Willard. Timer at left is "posed." No timers could be found with knobs in Willard where photographs were taken.

Replacements necessary for 1900 timers

In an attempt to save energy, the University, at the suggestion of the Executive Energy Conservation Committee, installed timers on the light switches in some 225 University Park classrooms. Once set, the timers automatically turn off the lights after 1½ hours. (Pattee has 15-minute timers in the stacks.)

In the past 3½ years, 1900 of these timers or their knobs have had to be replaced.

Knobs are removed or jammed so the lights burn all day — and night. The metal plates behind the timers have also been forced out of shape.

Maintenance attempted to prevent vandalism by putting the knobs on with epoxy cement, and, when that failed, to drill holes in the shafts holding the knobs so they could be screwed on. These efforts were unavailing.

The Energy Committee and University officials are increasingly concerned about the costs involved in replacing the vandalized timers — which are supposed to serve as a reminder to faculty and students of the continuing need to conserve energy and cut costs.

Penn Staters

Dr. Charles W. Pitts Jr., professor of entomology at Kansas State University, has been named professor and head of the Department of Entomology, succeeding Dr. Beckford Coon, who retired Jan. 1.

A member of the Kansas State Faculty since 1965, Dr. Pitts also served as acting head of the Department of Entomology at Kansas State.

Dr. Pitts, a native of Corinth, Miss., was graduated from Mississippi State University in 1960 and earned M.S. and Ph.D. degrees from Kansas State in 1962 and 1965.

The author of numerous articles in professional journals, he is noted for his work in the field of pest control and weather modification as it relates to pest control in ecological and agricultural systems. He was responsible for the establishment of a scanning electron microscopy laboratory at Kansas State for use in the study and detection of microscopic organisms. He was also part of a team which received a \$320,000 Bureau of Reclamation grant.

Next March, Dr. Pitts will head a National Livestock Pest Management Workshop sponsored by the Environmental Protection Agency and the U.S. Dairy Association.

At Penn State, Dr. Pitts plans to enlarge and expand the University's program in pest management.

Dr. Rustum Roy, director of the Materials Research Laboratory and professor of the solid state, organized and participated in a panel on "Zero Based Budgeting of Federal R&D Program" at the recent AAAS meetings in Houston, Texas. Participants included Senator Adlai Stevenson and Congressman George Brown. Dr. Roy also chaired and addressed the AAAS session on "Art and Technology." In December, Dr. Roy was a member of the steering committee and a plenary speaker at a Department of Energy meeting arranged between highest level university and industrial research managers and federal R&D planners.

Dr. Robert W. Ott, associate professor of art education, has been named editor of *The Museologist*, a quarterly publication of the American Association of Museums. As editor, Dr. Ott also received appointment to the Board of Governors of The Northeast Museums Conference of the AAM. NEMC represents some 1200 museums from the region of Washington, D.C., New York, and Boston, as well as throughout the northeast area of the U.S. and Canada. Earlier this year, at the annual conference of NEMC, Dr. Ott was elected to a three-year term as the regional representative of the AAM Standing Professional Committee on Education.

An exhibition of 14 colored pencil drawings by Richard Alden, assistant professor of architecture at the University, will be on display at the Lillian Heidenberg Gallery in New York Jan. 25 through Feb. 28.



Dr. Kenneth W. Hylbert, professor of education and director, Rehabilitation Education Programs, retired Jan. 1 with emeritus status after more than 23 years of service to the University.

Following nine years' employment with the Veterans Administration as vocational counselor and counseling psychologist, Dr. Hylbert came to Penn State in 1955 to develop and direct a new graduate emphasis for the preparation of counselors to work with the physically, mentally, emotionally, and socially handicapped.

In 1958, he was instrumental in the creation of an undergraduate major in rehabilitation education, the first of its kind in the nation. He was also involved in the development of a doctoral emphasis in rehabilitation in the College of Education in the early 1960s so that Penn State became the first University to offer an articulated sequence of undergraduate, master's and doctoral studies in rehabilitation.

He received the B.A. degree from Glenville State College, Glenville, W. Va., and the M.A. from West Virginia University. He earned his D.Ed. in guidance from Penn State.

He served as chairman, Governor's Advisory Committee to the Office for the Blind from 1961 through 1965. He was a member of the Susquehanna Valley Regional Medical Advisory Board from 1968 until 1973 and was appointed to the executive committee of that board for a two-year period. While a consultant to the U.S. Department of Health, Education and Welfare from 1970 to 1972, he assisted in the development of curriculum guidelines for use by colleges and universities in establishing undergraduate studies in the social and rehabilitation services.

Honors bestowed on Dr. Hylbert include the Distinguished Service Award of the American Rehabilitation Counseling Association in 1977. This award cited him for leadership in curriculum development. In 1975, Dr. Hylbert, a native of Reedy, W. Va., was named Alumnus of the Year by Glenville State College. Earlier, he was named Rehabilitation Man of the Year by the United Scranton Chapter of the Rehabilitation Counseling Association. Last year he was made the first recipient of the annual Kenneth W. Hylbert Award, which was established by the Pennsylvania Rehabilitation Association.

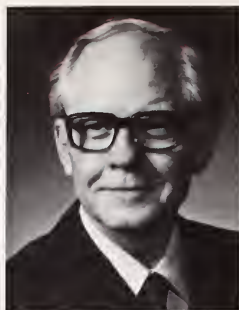
His publications include a widely adapted text, *Medical Information for Human Service Workers*, published in 1976.

Dr. Kenneth R. Beittel, professor of art education, is currently exhibiting a selection of stoneware and porcelain at the Art Gallery of Gump's of San Francisco.

Dr. Joseph Jordan, professor of chemistry, presented a seminar at Drexel University in Philadelphia on Jan. 17. His topic was "Electrochemical Modelling of Biological Systems."

Obituary

Rachel C. Hogan, a home Extension economist with the College of Agriculture from 1944 to 1965, died Jan. 3. She was 79 years old.



Raymond Brown, professor of music, is marking his 25th year at the University.

Mr. Brown, a Fellow of the Institute for the Arts and Humanistic Studies, has been director of the University Chorus since 1966. He studied at the Juilliard School of Music and the University of North Carolina and received degrees from the Peabody Conservatory and Johns Hopkins University. Before joining the faculty in 1953, he was director of music at the Park School in Baltimore and leading baritone of that city's Hilltop Opera Company.

He is founder and president of the Allegheny chapter of the National Association of Teachers of Singing, and has been a recipient of the Distinguished Service Award presented by the Penn State chapter of Alpha Phi Omega. He is a member of Omicron Delta Kappa, the National Leadership Honor Society.

Under Mr. Brown's direction, the University Chorus have toured Europe four times and have performed several times in recent years with the Pittsburgh Symphony Orchestra. The chorus have received enthusiastic reviews from newspapers in the United States and abroad, as well as from renowned music directors and conductors.

William Steinberg, late music director of the Pittsburgh Symphony, said the University Chorus are "the finest I have ever conducted"; while conductor Andre Previn has said: "The Chorus are sensational—a knockout. I adore working with them." James Levine, music director of the Metropolitan Opera, calls the singers "the best-trained choir I have ever conducted."

Mr. Brown, a bass-baritone singer, has been involved in numerous musical productions at the University. He has sung the leading roles in the University Festival Theatre's productions of Puccini's *Glianni Schicchi*, Carlisle Floyd's *Susannah* and Frank Loesser's *The Most Happy Fella*. He has also presented solo recitals and has been heard in oratorios at the University.

Bookshelf

Dr. K. Danner Clouser, professor of humanities at Hershey, is an associate editor of a newly published *Encyclopedia of Bioethics*.

The four-volume, 1,900-page work, printed by The Free Press, a division of Macmillan Publishing Company, includes articles by Dr. Clouser and three other members of Hershey's humanities faculty.

Dr. Clouser is the author of the theme article, "Bioethics"; E.A. Vastyan, professor and chairman of humanities, is the author of the entry, "Medicine and War"; Dr. Joanne Trautmann, professor of humanities, wrote "Medical Ethics in Literature"; and Martin S. Pernick, instructor of humanities, wrote "Medical Professionalism."

Called "the first complete reference work on the ethical questions in the life sciences and health care," the encyclopedia culminates a six-year project by the Kennedy Institute of Ethics at Georgetown University. It has involved more than 1,300 professionals and includes articles by 285 scholars in 15 countries.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 28, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT HOUSEKEEPING SUPERVISOR — HOUSING AND FOOD SERVICES, University Park Responsible for administering and coordinating housekeeping operations/functions in a specified residence hall. Coordinate the activities of technical service employees; inspect work being performed, inspect area and recommend changes in routine. High school graduate, has one to two years of directly related experience.

REVENUE APPLICATION SUPERVISOR-COLLEGE OF MEDICINE, Hershey Responsible for the planning, organizing, staffing, directing and controlling of the cash collection and cash application activities of the hospital in conjunction with control and coordination of all relevant data input to the Medical Computer Center. High school graduate, plus two to four years of experience in a hospital financial office, preferably with one to two years in a supervisory capacity.

ASSISTANT TO THE HOSPITAL DIRECTOR — COLLEGE OF MEDICINE, Hershey Responsible to Hospital Director for coordinating and assisting in the development of the following programs: long- and short-range planning, management indicators, training and development, patient relations, and other program as assigned. Master's degree in hospital administration or planning or equivalent, plus two to three years of directly related experience in the health care or related industry.

In addition to the above vacancies, there are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	AREA AND LOCATION
Staff Nurses	Hershey
Licensed Practical Nurses	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
Medical Technologists	Hershey
Assistant Food Supervisors	Housing and Food Services
Residence Hall Coordinators	Student Affairs
Assistant Coordinators	Student Affairs
Nutrition Assistants	Agriculture Extension (various counties)
Psychiatric Assistants	Management Services
Programmers	Management Services
Applications Programmer/Analyst	Hershey
Respiratory Therapy Technicians	Hershey
Critical Care Monitoring Technician	Hershey
Senior Critical Care Monitoring Technician	Hershey

Bioethics is defined by the editors as "the systematic study of human conduct in the area of life sciences and health care, insofar as this conduct is examined in light of moral values and principles." Bioethics encompasses many fields of study, including biology, medicine, philosophy, sociology, theology, history, political science, sexology, anthropology and law.

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University Park Calendar

Jan. 18-28

Special Events

Thursday, Jan. 18
Candlelight Dinner, "Winter Wonderland," 4:45-6:45 p.m., HUB Terrace Room.
University Theatre, Paul Zindel, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Friday, Jan. 19
Board of Trustees meeting, Keller Bldg.
Faculty Women's Club, Mid-Winter Coffee and Reception, 9:30-11:30 a.m., Nittany Lion Inn.
Sports: wrestling, vs. Clarion, 2 p.m.; men's and women's gymnastics, vs. Temple, 7:30 p.m.
France-Cinema, Wim Wenders, *Alice and the Cities*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Jan. 20
Board of Trustees meeting, Keller Bldg.
Faculty Women's Club, Mid-Winter Coffee and Reception, 9:30-11:30 a.m., Nittany Lion Inn.
Sports: wrestling, vs. Clarion, 2 p.m.; men's and women's gymnastics, vs. Temple, 7:30 p.m.
France-Cinema, Wim Wenders, *Alice and the Cities*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.
Artists Series, Albee plays, *Fam and Yam* (1959), *The Sandbox* (1959) and *The American Dream* (1960), 8:30 p.m., Schwab.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 21
University Chapel Service, 11 a.m., Eisenhower Chapel, Marci Polite, Unitarian Fellowship, State College, speaker.
Shaver's Creek Nature Center staff, Winter Nature Walk, 2 p.m., Walnut Springs Park, State College.
Mari Chubbuck, piano, 2 p.m., Music Bldg. Recital Hall.
Commonplace Theatre, *The Hobbit*, 7 and 9 p.m., Room 112 Kern.
University Readers, *Welcome to the Monkey House*, 8 p.m., Room 102 Kern.
Artists Series, Albee plays, *Listening* (1975) and *Counting the Years* (1976), 8:30 p.m., Schwab.

Monday, Jan. 22
Deadline for reserve reading lists for Spring Term, Room W11 Pattee. Reserve forms available by mail or in person, Room W11 Pattee.
Science, Technology and Health/Two Cultures Dialogue, noon, Room 101 Kern. C. Danner Clouser, humanities, Hershey, on "Ethical Issues in Modern Medicine and Surgery."
France-Cinema, *Alice and the Cities*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 23
Gallery Talk. Murray and Noeleen Martin, University Libraries, on "The Artist as Real Estate Agent," 10:30 a.m., Museum of Art.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Dawson Kiang, art history, on "Roman Images of Eudymion."

Registration for Children's Movement Education Program (K-3rd grade), 3:45 p.m., White Bldg. Lobby.
Shakespeare Film, Olivier, *Hamlet*, 6:30 p.m., Room 101 Chambers. Free.
Comp. Lit. Film Series, Alain Renaiss, *Je T'Aime, Je T'Aime*, 7 and 9 p.m., Room 112 Kern.
Artists Series film, Walter Felsenstein, 1955, *Fidelio*, 8 p.m., Schwab.
English Colloquium, 8 p.m., Room 101 Kern.
Gerard J. Gross, English, on "These Shallow Fools: Comic Characters and Their Influence on Shakespeare's Comic Endings."

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Wednesday, Jan. 24
Shakespeare Film, Olivier, *Hamlet*, 6:30 p.m., Room 101 Chambers. Free.
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.
Sports: men's basketball, vs. Duquesne, 8:10 p.m.
Musica de Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 25
Folklore Studies/Graduate School Public Lecture, Henry H. Glassie, University of Pennsylvania, on "What Is Folk Art?" 8 p.m., Room 112 Kern.
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Friday, Jan. 26
SFO Film, *Play Misty for Me*, with Clint Eastwood, 7, 9 and 11 p.m., Room 102 Forum.
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.
Artists Series, Vinette Carroll, *Your Arms Too Short to Box with God*, gospel show, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 27
Sports: men's volleyball, Nittany Lion Invitational; cold rifle, NRA Sectionals; men's fencing, vs. Pennsylvania, 1 p.m.; women's fencing, vs. Pennsylvania and Carnegie-Mellon, 1 p.m.; men's swimming and diving, vs. Edinboro, 2 p.m.
University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Sunday, Jan. 28
University Chapel Service, 11 a.m., Eisenhower Chapel, Donald Davis, United Ministries, speaker.
Sports: cold rifle, NRA Sectionals.

Seminars

Friday, Jan. 19
Analytical Chemistry, T.C. Potter, graduate student, on "Continuous Analysis of Flow Systems," 11 10 a.m., Room 333 Whitmore.
Physical Chemistry, Tien Tsong, physics, on "Experiments with Individual Atoms on Metal Surfaces," 4 p.m., Room 333 Whitmore.

Monday, Jan. 22
Biochemistry and Biophysics, M. Sussman, University of Pittsburgh, on "Biochemical Basis of Morphogenetic Regulation in Dictyostelium," 3:55 p.m., Room 101 Altshouse.

of the westernization of the Pacific as would have resulted from a preconceived plan."

The scientists of Europe were fascinated by the natural history of the area, and those who ventured across the world wished to record their experiences. The artist was called upon to supplement the written word.

The result, according to the Martins, "is a kind of art history that transcends its initial documentary intention and transforms its later role as propaganda. Struggling to reconcile the demands of scientific accuracy to represent a landscape that defied neo-classical forms and to capture the particular qualities of a light so different from that of Europe, a long line of painters achieved a new mastery of form and style to present to their European patrons the record of an era."

The Martins, natives of New Zealand,



A scene from "Listening," part of "Albee Directs Albee," Jan. 20-21 at Schwab. Tickets are on sale at Artists Series HUB Booth and Eisenhower Auditorium's Box Office.

Tuesday, Jan. 23
Food Science, Bernard Eijunweewe, graduate student, on "The Factors Affecting Moisture Content and Weight Losses of Yams," and Bronwyn Jones, graduate student, on "The Post Harvest Deterioration of the Calcium and Nitrogen Content of Apples," 11 10 a.m., Room 201 Bortland.

Research Applications of Computers, Jean W. MacCluer, biology, on "Computer Models of Human Populations," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Walter A. Lyon, Bureau of Water Quality Management, DER, Harrisburg, on "Case Histories and Conflicts in Water Pollution Control," 2:20 p.m., Room 271 Willard.

Geosciences, Jack E. Oliver, Cornell University, on "A New Era of Exploration of the Continental Basement," 3:45 p.m., Room 26 Mineral Sciences.

Plant Pathology, John Davids, graduate student, on "The Use of Computer Modeling in Air Pollution," 3:55 p.m., Room 213 Buckhout.

Forest Resources, Monie S. Hudson, consulting chemist, on "Tree Sap as a Source of Anti-Cancer Agents," 8 p.m., Room 301 Ag. Admin. Bldg.

Inorganic Chemistry, Norris Tollefson, graduate student, on "Bonding Theories of Sulfur Nitrides," 8 p.m., Room 333 Whitmore.

Wednesday, Jan. 24
Computation Center, "Graphics" (3 of 4), 7:30 p.m., Room 112 Osmond.

Thursday, Jan. 25
Chemistry, Paul Grice, University of Pittsburgh, on "Bicyclo (2.2.1) heptanes as Building Blocks in Organic Synthesis: Total Synthesis of Methymycin," 12:45 p.m., Room 333 Whitmore.

Anthropology, Woodrow W. Denham, McMaster University, on "The Social Double Helix in Australian Tribes," 3:30 p.m., Room 101 Kern.

Physics, Lorenzo Narducci, Drexel University, on "Recent Developments in Optical Bistability," 3:50 p.m., Room 117 Osmond.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Friday, Jan. 26
Analytical Chemistry, P.B. Shepton, graduate student, on "New-Non-Selective Electrodes," 11:10 a.m., Room 333 Whitmore.
Remote Sensing, C. Robert Mathewson, research assistant, on "Image Enhancement at ORSER," 2 p.m., Room 229 EE East.
Philosophy, David Kline, Iowa State University, on "The Theory-Ladenness of Observation," 4 p.m., Room 267 Willard.
Physical Chemistry, Stanley Opella, University of Pennsylvania, on FT-NMR of Protein-Nucleic Acid Interaction," 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open Monday and Wednesday, 9 a.m.-3:30 p.m., Tuesday, 9 a.m.-1 p.m. and by special appointment, 863-3553. Greek and North African ceramics.

Chambers Gallery: Philippus Steven Soliman, crafts works.

HUB Gallery: Central Pa. Scholastic Art Awards, through Jan. 28; Smithsonian Institution exhibit, "A Cartoon History of American Foreign Policy."

Kern Commons Gallery: Young American Printmakers, prints from 16 art schools and universities, through Jan. 26; Contemporary Photographers VI, 50 recent additions to the permanent collection of the George Eastman House, opens Jan. 27.

Museum of Art: open noon-5 p.m. daily, closed Mondays. Free tours, Sunday, 1:30 p.m. American twentieth-century paintings from the permanent collection, through Jan. 28, watercolors and drawings from the permanent collection; William Dole, a retrospective exhibit of collages, 1958-1978.

Zoller Gallery: open 9 a.m.-5 p.m., weekdays, noon-5 p.m., weekends. Graduate students' show, "Why We Do What We Do."

Mr. Harrison is the principal cellist of Musica da Camera, the University's chamber orchestra, and of the Penn State Symphony. Ms. Jacobus won first place in the winds category of last year's Young Artists Competition and is principal flutist of both the Symphonic Wind Ensemble and the Penn State Symphony.

Lois Oakley, violinist, will perform the "Symphonie Espagnole" by Lalo. She is the concertmistress of the Penn State Symphony and Musica da Camera.

Another graduate student on the program is soprano Suzanne Murphy, who will sing Massenet's "Je Suis Encore" from *Manon*. Ms. Murphy has been a featured soloist with the Penn State Glee Club and the University Chorus.

The assistant conductor and president of the Penn State Symphony, Tom A. Kennedy Jr., will play the third movement

(Continued on page 4)

Arts Roundup

Documentation of exploration subject of Martins' gallery talk

"The Artist as Real Estate Agent" is the topic of a gallery talk sponsored by the Friends of the Museum of Art at 10:30 a.m. Tuesday, Jan. 23, in the Museum. The speakers are Murray S. Martin, associate dean of the University Libraries, and Noeleen P. Martin, senior assistant librarian.

From discovery by Captain Cook in 1769 until the 1850s, artists documented the exploration and settlement of Australia and New Zealand, undertaking the task that today would fall to the photographer. The Martins explain, noting that "a fortuitous combination of interests has resulted in as complete a pictorial history

Editor's note: These tables are part of a system designed to monitor the progress of entering Penn State students (freshmen, those with advanced standing and intra-University transfers). They summarize data for all Colleges and Campuses. More detailed charts have been provided to each academic unit, and the Senate Committee on Admissions, Records and Scheduling urges each College and Campus to appoint a committee to assess the data forwarded to it and suggests that committees share their findings with their faculties.

Baccalaureate Degree Freshmen, All Colleges, U.P.

ADMISS. CATEGORY	NO. ENROLLED			G. P. A.			CUM GPA			OFFICIALLY FAILED TO		
	FALL	176	FALL	1771	GROUP A	GROUP B	NO.	176	1771	NO.	176	1771
	A	B	C	D	E	F	G	H	I	J	K	L
1	106	104	3,62	3,61	2	2	4	4				
2	1,206	1,114	3,14	3,15	34	3	1	75	6			
3	846	757	2,79	2,81	62	7	1	74	9			
4	402	349	2,61	2,65	61	15	3	1	46	11		
5	136	109	2,30	2,40	45	33	2	1	25	18		
6	120	95	2,12	2,16	54	55	3	3	21	18		
7-9	78	62	2,12	2,10	36	46	2	3	10	13		
TOTAL	2,948	2,625	2,88	2,92	323	11	14	278	9			
PROV15.	41	21	2,59	2,59	12	49			10	44		
NON DEG.	126	67	2,69	2,67	26	21			54	43		

Baccalaureate Degree Freshmen, All Campuses

ADMISS. CATEGORY	NO. ENROLLED			G. P. A.			CUM GPA			OFFICIALLY FAILED TO		
	FALL	176	FALL	1771	GROUP A	GROUP B	NO.	176	1771	NO.	176	1771
	A	B	C	D	E	F	G	H	I	J	K	L
1	20	13	3,74	3,76				3	15			
2	455	348	3,32	3,32	10	2		55	12			
3	605	422	2,94	2,98	53	9	3	108	18			
4	987	675	2,69	2,74	140	14	5	1	195	20		
5	1,271	808	2,41	2,47	344	27	19	1	271	21		
6	1,359	920	2,21	2,28	535	40	39	3	338	25		
7-9	58	34	1,76	1,92	39	67	4	7	16	28		
TOTAL	4,774	3,133	2,58	2,65	1,130	24	71	995	21			
PROV15.	796	309	2,17	2,24	277	47	44	6	371	47		
NON DEG.	662	201	2,66	2,71	163	25	5	1	416	63		

Baccalaureate Degree Advanced Standing Students, U.P.

ADMISS. CATEGORY	NO. ENROLLED			G. P. A.			CUM GPA			OFFICIALLY FAILED TO		
	FALL	176	FALL	1771	GROUP A	GROUP B	NO.	176	1771	NO.	176	1771
	A	B	C	D	E	F	G	H	I	J	K	L
2-YEAR	173	130	2,55	2,65	43	45	10	6	26	15		
4-YEAR	290	249	2,85	2,89	31	11	4	1	32	11		
TOTAL	463	388	2,75	2,81	74	10	14	3	58	13		

Baccalaureate Degree Freshmen, All University

ADMISS. CATEGORY	NO. ENROLLED			G. P. A.			CUM GPA			OFFICIALLY FAILED TO		
	FALL	176	FALL	1771	GROUP A	GROUP B	NO.	176	1771	NO.	176	1771
	A	B	C	D	E	F	G	H	I	J	K	L
1	130	123	3,64	3,64	2	2		7	5			
2	1,718	1,574	3,19	3,20	48	3	1	137	8			
3	1,528	1,311	2,89	2,88	122	8	5	197	13			
4	1,533	1,239	2,67	2,71	122	14	8	1	270	10		
5	1,536	1,159	2,40	2,47	116	27	22	1	321	21		
6	1,624	1,135	2,19	2,27	959	41	45	3	404	25		
7-9	145	101	1,98	2,08	80	55	7	5	27	19		
10	99	61	2,20	2,43	39	39	3	3	32	32		
TOTAL	8,313	6,704	2,76	2,76	1,988	19	91	1	1,395	17		
PROV15.	913	417	2,17	2,24	435	40	45	5	434	48		
NON DEG.	820	300	2,68	2,72	402	45	5	1	492	60		

Baccalaureate Degree Intra-University Transfers

ADMISS. CATEGORY	NO. ENROLLED			G. P. A.			CUM GPA			OFFICIALLY FAILED TO		
	FALL	176	FALL	1771	GROUP A	GROUP B	NO.	176	1771	NO.	176	1771
	A	B	C	D	E	F	G	H	I	J	K	L
AA	336	305	2,88	2,70	2,80	2,01	20	6	2	24	7	
AB	350	288	2,72	2,70	2,74	2,51	17	11	1	3	13	
BC	143	119	2,72	2,70	2,75	2,74	12	8	5	3	14	
BD	184	186	2,87	2,86	2,88	2,88	18	11	5	3	13	
DE	252	223	2,61	2,61	2,63	2,64	46	11	6	2	15	6
FE	95	78	2,69	2,64	3,02	2,50	10	11	1	1	10	11
GN	181	167	2,76	2,80	2,78	2,78	15	12	2	1	2	12
HA	140	130	2,62	2,68	2,67	2,71	15	10	6	4	2	16
HC	279	249	2,76	2,59	2,76	2,60	25	19	4	1	25	9
HD	174	174	2,72	2,69	2,74	2,68	19	11	5	3	9	5
OZ	354	310	2,81	2,86	2,83	2,80	27	6	7	2	28	6
SL	142	142	2,71	2,71	2,73	2,76	19	14	2	1	10	7
SN	137	116	2,74	2,45	2,75	2,50	19	14	2	1	23	17
UP	119	119	2,73	2,73	2,73	2,74	19	14	2	1	10	7
UP	92	74	2,79	2,61	2,87	2,67	7	6	2	2	10	11
W	129	103	2,78	2,75	2,82	2,80	17	13	2	2	20	11
CL	3	1	2,39	2,30	2,43	2,25	1	33	1	1	33	
TOTAL	3,288	2,848	2,70	2,69	2,83	2,71	287	217	71	2	292	9

NOTE: COLUMNS "<C>" AND "<D>" REPRESENT THE CUMULATIVE GPA AT THE PREVIOUS LOCATIONS. COLUMNS "<E>" AND "<F>" REPRESENT THE GPA ACHIEVED AT THE PREVIOUS LOCATION.

WPSX Highlights

Renata Scotto stars in the title role of Verdi's tragic Tyrolean opera, *Luisa Miller*, Saturday, Jan. 20, at 8 p.m. on Live From the Met. Set in the early 1700s, the opera tells the story of two young lovers unable to consummate their love because of the selfish and unreasonable nature of their elders. Appearing with Scotto are Placido Domingo, Sherrill Milnes, Ronaldo Cioletto, and James Morris. Monday, Jan. 22, at 8 p.m., Metropolitan Opera stars Luciano Pavarotti and Joan Sutherland present a live concert at Avery Fisher Hall as part of Live From Lincoln Center.

In the 1940s and 1950s, police officer Frank Rizzo was known as "The Cisco Kid." In the 1960s, he was named Philadelphia Police Commissioner, and since 1971 he has been the controversial mayor of the city. Sunday, Jan. 21, at 8 p.m., the award-winning documentary Rizzo profiles this big city mayor through film footage, photographs, and interviews with his opponents and supporters. Rizzo himself declined to appear on the program.

Left permanently paralyzed by an automobile accident, British sculptor Ken Harrison has concluded that dying with dignity is a better course than the life he faces. Monday, Jan. 22, at 10 p.m., *Whose Life Is It Anyway?* is a drama documentary chronicling Harrison's efforts through an attorney to be released from the hospital and the medical care which prolongs his life.

James Krause of the Pennsylvania Department of State, Julius Greenstein of Shippensburg State College, and LeRoy Erickson of the Pennsylvania Medical Society discuss medical malpractice in Pennsylvania Tuesday, Jan. 23, at 7:30 p.m. on Talkabout. The program looks at the college's training program for investigative teams who are handling complaints against Pennsylvania doctors.

The Eugene O'Neill festival continues on Great Performances, Wednesday, Jan. 24, at 8 p.m. with a performance of his comedy *Ah, Wilderness!* starring Joyce Ebel, Geraldine Fitzgerald, and Swoosie Kurtz.

Arts roundup

(Continued from page 3)

of Mozart's Clarinet Concerto.

Pamela Moyer, a member of the Penn State Symphony and the Symphonic Wind Ensemble, will play the third movement of Mozart's Clarinet Concerto.

Puccini's "Vici d'arte" from *Tosca* will be performed by soprano Karen Eckenroth, a member of the Penn State Concert Choir and the Penn State Singers.

As part of the concert, the Penn State Symphony will perform Brahms' "Academic Festival Overture."

Chamber group to play

Musica da Camera, Penn State's chamber orchestra, will present a recital at 8:30 p.m. Wednesday, Jan. 24, in the Music Building Recital Hall.

The group will also have a benefit concert at 7:30 p.m. Wednesday, Feb. 7, in the Museum of Art. Proceeds from the tickets, which are \$5 per person and may be purchased in Room 218 Music Building, will help defray expenses for a two-week tour of Poland on which the group will embark Feb. 9.

The orchestra will visit Warsaw, Krakow, Lublin and Wroclaw. Group members will visit conservatories of music in Warsaw and Krakow, participating in exchanges with Polish students in chamber music sessions and master classes.

Dr. D. Douglas Miller, director of Musica da Camera, urges Penn State students, faculty and staff who are Polish or have Polish ties that they would like to pursue to contact him in Room 218 Music Building. He is particularly interested in information about places which the group could visit during its stay.

News in brief

(Continued from page 1)

University Park; and the Personnel Office at the Hershey Medical Center.

Folklorist to speak

Dr. Henry H. Glassie, professor of folklore and American civilization and chairman of the Department of Folklore and Folklife at the University of Pennsylvania, will speak on the topic, "What Is Folk Art?" at 8 p.m. on Thursday, Jan. 25, in Kern Auditorium.

Dr. Glassie was formerly Pennsylvania State Folklorist and director of the Ethnic Culture Survey of the Pennsylvania Historical Museum Commission. From 1970 to 1976, he was affiliated with the Folklore Institute of Indiana University, and he was an assistant professor of American studies at Penn State's Capital Campus in 1969 and 1970.

Best known for his research in American material folk culture, he has been a John Simon Guggenheim Memorial Foundation Fellow, an Invited Fellow of the National Humanities Institute, and a Fellow of the American Folklore Society.

His books include *Pattern in the Material Folk Culture of the Eastern United States*, *Folk Housing in Middle Virginia: Structural Analysis of the Historical Artifact*, and *Old Siver and No Brass: An Irish Christmas Mummery*. Dr. Glassie's lecture is sponsored by the Graduate School and the Folklore Studies Program, and is open to the public.

Extension award

A Penn State program, Land Application of Waste Water and Sludge (LAWWS), recently won an award for new continuing education programs from the National University Extension Association.

LAWWS is a multi-media public service program designed to help decision makers understand the facts about land application of waste water and sludge as an advanced waste water treatment method.

The program combines video programs, printed materials, and group discussions to help citizens and government officials at the local level evaluate the potential of this treatment technology for their local situation.

LAWWS is a continuing education and cooperative extension program of the University's Institute for Research on Land and Water Resources.

Movement education program

A program of basic movement skills, educational gymnastics and games will be sponsored by the College of Health, Physical Education and Recreation for children in kindergarten through third grade. The program will be held on Tuesdays from 4 to 5 p.m. from Jan. 23 through Feb. 20 in Room 133 White Building. Registration will be held Jan. 23 at 3:45 p.m. in the White Building Lobby.

Hallowell

(Continued from page 1)

President of the Board of Trustees will appoint someone to serve the remainder of Mr. Hallowell's term as an agriculture delegate.

Larson

(Continued from page 1)

and Graduate Studies, which is currently considering the matter.

Dr. Larson earned his B.S., M.S. and Ph.D. in civil engineering at Penn State. He joined the faculty in 1957.

He has served as director of the Pennsylvania Transportation Institute since its inception in 1968. In 1970, he was appointed by Governor Raymond P. Shafer as the first chairman of the State Transportation Advisory Committee.

Dr. Larson has done extensive research in the field of concrete, studying volume stability of aggregates and the durability of concrete bridge decks.

A Mid-Year Report from the Faculty Senate Chairman

Introduction

When I first took office, I said something to the effect that, "While the Chairman guides for only one year, the Senate is continuous in its role of shaping the future of this University." I also said that I realized I was merely a representative of the faculty and not a co-opted administrator. Therefore, I spent some time examining the workings of the Senate's committees, so that I could provide an injection of vitality which was in keeping with my sense of continuity of the Senate. Aided by consultation with the other officers, a list was produced of some 83 items for action by the standing committees. Fostering a spirit of cooperative progress, I called these items "Suggested Actions" rather than charges. The committees were free to take my actions, add to them and, if they wished, subtract. The purpose of this report is to let the University Community know how the Senate stands at mid-term.

Perhaps the easiest way to organize this report is by committees. Thus each of the following sections summarizes the work of one of our standing and special committees. Should the

reader have any question on this report or on any Senate matter, he should not hesitate to call me, or the Executive Secretary at 863-0221.

Academic and Athletic Standards

Charged with, among other things, responsibility for the *Academic Policies and Procedures for Undergraduate Students*, this committee is often preoccupied with routine but numerous requests for waivers from these policies. As part of its charge on these policies, the committee examines the administrative manual on policies and procedures to see that administrative implementation and interpretation follows the legislation passed by the Senate. The committee also has the authority to approve athletic schedules on behalf of the Senate.

The committee has already reported on, and had approved a change in the academic drop rules which will allow total credits scheduled and completed rather than term standing to be the cue for drop action calculations. The committee is deliberating on a method for monitoring the newly-limited late drop rule; it is

also attempting to write legislation which will implement the recent report on the role of the advisor. Both reports should be released later this Spring. One report that may take longer to surface is in response to my request that they examine the question of whether or not degree progress should be based on survey courses. This question has direct links to the Senate's revision of baccalaureate degree requirements.

Admissions, Records, and Scheduling

The Senate has legislative authority on academic admissions standards. In addition to starting or revising legislation in this area, this committee monitors the effect of our admissions policies and acts on individual petitions for reinstatement. One of the most impressive actions we have seen is the series of reports that show us the academic consequences of our admissions policies. Thus, last year's report on the SAT scores of our admitted students and the January meeting's report on the academic performance of entering P.S.U. students are some of the best data we have on the characteristics of our students. We expect to

continue these reports annually. This committee also, for the Senate, approves all special admissions programs such as for talented high school students or the Educational Opportunity Program.

Deliberations currently underway deal with a method for monitoring the recently-revised drop rules for provisional and non-degree students, and, also, examine the question of whether admission to a Type II Associate Degree should allow for a backdoor admission to a baccalaureate degree. In addition, the committee has given advice on the search for the Dean for Admissions. Further topics that may arise include the potential for modernization of the scheduling process, and whether or not a course can be conducted over more than one term.

Basic Skills

The Committee on Basic Skills is a special committee charged with watching the progress of that special program. This committee has the Herculean task of reporting on the status and success of the University's basic skills program.

(Continued on page 6)

January 25, 1979 Volume 8, Number 19

Penn State Intercom



TRUSTEE OFFICERS: From left, Quentin E. Wood and Walter J. Conti, newly elected president and vice president; President Oswald; retiring vice president J. Lewis Williams and retiring president William K. Ulrich.

From the Trustee Docket

Importance of planning stressed at news conference

Seeing that Penn State remains on a sound financial basis and continues to operate with a balanced budget based on sound financial principles will have priority with Quentin E. Wood, newly elected president of the Board of Trustees.

Mr. Wood, retiring Board president William K. Ulrich, and President John W. Oswald held a press conference at the conclusion of the Jan. 20 Board meeting. All three stressed the importance of the planning for the 1980s now going forward at the University.

Mr. Ulrich noted the changed priorities he has observed on a part of federal and state governments during his three terms as Board chairman.

Help for the aged, health care delivery, welfare, even highways now have a higher priority than education, he observed, adding that Penn State cannot

afford to be "smug or self satisfied" but must work for public recognition.

Mr. Ulrich commented that he thinks "the end of the next ten years will see a completely different University."

Looking ahead, Dr. Oswald said that he believes the University is about as big as it's going to be, and by the end of the next decade will probably be smaller.

"There will always be a cadre of traditional 18- to 22-year-old baccalaureate degree students," he continued. "The national and State pools of youths of this age will remain fairly level until about 1982, when a precipitous drop will begin."

Some of the Campuses may play a different role in the next decade, Dr. Oswald said, perhaps shifting away from offering baccalaureate degree programs.

"But Penn State may be hit a little less hard because of its strong professional schools," the President added.

One of the biggest problems he foresaw was "mismatches" — more students applying to a curriculum than can be accommodated with available facilities. The University must try to meet these students' needs without unduly shifting its permanent resources, Dr. Oswald

explained, or it will be unable to shift back if changes occur in societal needs.

In response to questions, the President said he is now in the process of appointing members to a newly established Advisory Review Board, which will meet with Robert A. Patterson, senior vice president for finance and operations, and David Stormer, director of University safety. The board will include faculty, students and administrators from University Park, nominated by appropriate constituent groups, and will make such recommendations as specific reviews and recommendations as may be appropriate concerning University safety, as well as promote communication and improve campus relations.

Applications for admission running ahead of last year

Applications for admission to Penn State are running ahead, perhaps significantly, of last year at this time, President Oswald informed the Trustees on Saturday.

More than 2,000 applications for the Graduate School have already been received, up some 7 percent from 1978.

As of Jan. 12, undergraduate admission applications are up by more than 5 percent, with about 24,000 applications having been received. Not only has Penn State received more applications for admission, but the students who have applied are also better qualified, Dr. Oswald pointed out.

"We have found that even this year our entering freshmen had higher scholastic aptitude test scores than they did the previous year," the President said, adding that the scores were also significantly higher than the national mean.

Wood, Conti elected

Quentin E. Wood, president and chief executive officer of the Quaker State Oil Refining Corp. of Oil City, was elected president of the Board of Trustees. Walter J. Conti, a businessman from Doylestown, was elected vice president.

Mr. Wood, elected to a one-year term, succeeds William K. Ulrich, Clearfield newspaper publisher, who served three terms as president. Mr. Conti replaces J. Lewis Williams, a dairy farmer from Uniontown. Mr. Ulrich and Mr. Williams, both of whom served three terms in office, did not seek re-election.

Mr. Wood, a native of Mechanicsburg,

Pa., has served on the Board since 1976. He graduated from Penn State in 1948 with a degree in petroleum and natural gas engineering.

Previously he had spent three years as a U.S. Army Air Force pilot, including 13 months with the famed Flying Tigers in China.

After graduation, Mr. Wood joined Quaker State at the firm's Bradford production office. In 1952, he was promoted to chief engineer, and in 1965 he became manager of the production division. He moved to the home office in 1968 when he was elected vice president of production and a corporate director.

Mr. Wood was elected executive vice president in 1970, and three years later became president and chief operating officer. In 1975, he was elected president and chief executive officer.

Active in community and professional affairs throughout his life, Mr. Wood is listed in Who's Who in America and Who's Who in the East. His numerous professional and business affiliations include directorships of the Northwest Pennsylvania Bank and Trust Co. of Oil City, the American Petroleum Institute, the National Petroleum Refiners Association, the Pennsylvania Grade Crude Oil Association, and the Ohio Oil and Gas Association.

He also is past president of the Bradford District Pennsylvania Oil Producers Association and past chairman of the Technical Advisory Committee for Penn State's Department of Petroleum Engineering.

Mr. Wood and his wife, Louise, a Penn State alumna, live in Oil City.

Mr. Conti, owner of Conti's Cross Keys Inn in Doylestown, has been a Trustee since 1974 and has served on the Executive Committee since 1976.

A 1952 graduate of the University, Mr. Conti was president of Kappa Sigma fraternity and has been active in alumni affairs since graduation. He is past area chairman for the Penn State Alumni Fund, a Penn State Drummer, a member of the Nittany Lion Club and serves on the advisory council of the Levi Lamb Fund.

Mr. Conti is president of the Pennsylvania Restaurant Association, and chairman of the board of the Penn State Hotel and Motel Alumni Association. He has been a frequent guest lecturer at Penn

(Continued on page 3)

Penn Staters



Although his research on the geography of southeast Asia has earned him an international reputation, Dr. Frederick L. Wernstedt, professor of geography, who recently completed 25 years on the University faculty, would most like to be remembered for his work in undergraduate advising.

Since he became undergraduate program officer in the Department of Geography five years ago, he has seen the number of students in the geography undergraduate major increase from 17 to 85.

"The jobs were there," he says. "We just needed to make this known, and the students came." He has devoted many hours to promoting the geography major and to counseling students interested in enrolling in it or transferring into it from other majors, as well as serving as adviser to the majority of those already enrolled.

During his tenure at Penn State, he has spent a considerable amount of time in southeast Asia. In 1964-65, and the summer of 1967, he was in the Philippines, doing research on migration in that country with a colleague, Dr. Paul Simkins, professor of geography, with the support of the National Science Foundation. In 1968-69, he served as a Fulbright professor at the University of Malaya in Kuala Lumpur, and he has just returned from six months spent as a visiting professor of geography and consultant to the geography department at the Science University of Malaysia in Penang, Malaysia.

His invitation to go to the Science University was an outgrowth of his having served for three years as an external examiner for geography at the University of Malaya. In this role, he evaluated the geography discipline, looking over final examinations and grades given by the professors, and assessing the quality of the faculty and the department and program structures.

A graduate of the University of California at Los Angeles in 1948, he received his M.A. at Syracuse University in 1950, and his Ph.D. at UCLA in 1953. He joined the University faculty in 1952 and has been here ever since except for 1961-62 when he was associate professor of geography at Arizona State University.

Dr. Wernstedt is the author of the book, *Philippine Inter-island Shipping and Trade*, and co-author of two others, *The Philippine Island World*, and *Philippine Migration*. He has also written numerous papers and articles.

Dr. Carolyn Wood Sherif, professor of psychology, is currently serving as the first Distinguished Visiting Professor in Psychology at Smith College. The president-elect of Division 35 (Psychology of Women) of the American Psychological Association (APA), Dr. Sherif has also been elected to a three-year term on APA's Policy and Planning Board.

Dr. F.J. Young, professor of electrical engineering, is listed in the 1978-79 edition of *Who's Who in the World*.

Dr. Edward A. Brawley, associate professor of social welfare, was recently appointed by the National Institute on Alcohol Abuse and Alcoholism, U.S. Department of Health, Education, and Welfare, to its Evaluation Board for the National Center for Alcohol Education.

Dr. Philippos J. Loukissas, assistant professor of man-environment relations, presented a paper entitled "Energy Savings and Center City Redevelopment through Alternative Transportation Strategies" to the International Conference on Energy and Community Development, held recently in Athens, Greece.

Appointments

University Park

Clair C. Engle as associate professor of animal science extension, B.S., M.S., Montana State U.; Ph.D., U. of Georgia. Formerly extension service specialist, U. of Missouri.

David R. Lachtermann as associate professor of philosophy, B.A., St. John's College; Ph.D., Harvard U. Formerly assistant professor, Swarthmore College.

Don Leroy Anderson as assistant professor of industrial engineering, B.S.I.E., M.S.I.E., Ph.D., U. of Illinois. Formerly assistant professor, Rochester Institute of Technology.

S. Ashok as assistant professor of engineering mechanics, B.E., U. of Madras; M. Tech., Indian Institute of Technology; Ph.D., Rensselaer Polytechnic Institute. Formerly instructor, RPI.

Gary J. Fossaire as assistant professor of nutrition science, A.B., Ph.D., UC-Berkeley. Formerly research chemist, USDA Human Nutrition Lab, Grand Forks, N.D.

Kenneth A. Johnson as assistant professor of biochemistry and biophysics, B.S., U. of Iowa; Ph.D., U. of Wisconsin. Formerly post doctoral fellow, U. of Chicago. Appointment effective March 1, 1979.

Ashok Midha as assistant professor of mechanical engineering, B.S., Ranchi U., India; M.S., Ph.D., U. of Minnesota. Formerly assistant professor of mechanical engineering, Michigan Technological U.

James J. Reuther as assistant professor of fuel science, B.A., State University College-Oleana; M.A., SUNY-Binghamton; Ph.D. in progress, Penn State.

Terry M. Williams as assistant professor of vocational education, B.S., Old Dominion U.; M.Ed., Virginia Commonwealth U.; Ph.D., Ohio State U.

John L. Swasy as lecturer in marketing, B.S., M.B.A., Penn State; Ph.D. in progress, UCLA.

Larry E. Zang as research assistant in plant pathology, B.S., Penn State. M.S. in progress, Penn State.

Behrend College

Chang C. Lee as head librarian, LL.B., National Chengchi U.; M.S., Ph.D., Florida State U. Formerly associate librarian, Florida A&M.

Hershey

Richard D. Broadwell as assistant professor of anatomy, B.A., Knox College; M.S., Ph.D., U. of Wisconsin. Formerly research fellow, NIH.

Cheryl A. Sandusky as reference librarian, B.S., Ohio U.; M.L.S., U. of Pittsburgh. Formerly retrieval specialist, U. of Pittsburgh.

Bookshelf

Dr. Carol Cartwright, associate professor of education, is co-author of *Exceptional Previews: A Self-Evaluation Handbook for Special Education Students*, published by Wadsworth Publishing Company.

Dr. Sara J. Forsberg, assistant professor of special education at Clarion State College, is the author. Dr. Forsberg earned her Ph.D. at Penn State.

The 128-page text presents true "critical incidents" designed to help students appreciate the realities of working with exceptional children before they enter the

classroom.

After giving an overview of exceptional education, the authors relate 40 short narratives of actual situations in which a special educator has interacted with exceptional children, parents or colleagues.

The book also includes accounts of what really happened in the critical incidents and contains a resources section listing books and films about exceptionalism, a sampler of children's books, a glossary and lists of community resources, organizations, agencies and advocacy groups.

R. Thomas Berner, assistant professor of journalism, is the author of *Language Skills for Journalists*, a textbook and reference manual published by Houghton Mifflin of Boston.

The 288-page book can be used by journalism students or professional journalists.

The difference between his book and other grammar books, according to Mr. Berner, is that *Language Skills for Journalists* was written from a journalist's point of view.

Mr. Berner, former city editor of The Centre Daily Times, says that students using standard references have to wade through pages of theme-writing rules that confuse beginning journalists.

"That is not to say that theme-writers and journalists don't follow the same basic rules of grammar," Mr. Berner says. "But the two do go their separate ways sometimes."

Also, he says, he took most of his examples from news media, which the beginning journalism student will find easier to understand while being taught how to write journalistically.

News in Brief

Ag offers teaching seminar

The College of Agriculture faculty will offer the third of four seminars on quality teaching on Thursday, Feb. 1, at 3:30 p.m. in Room 108 Forum Building. The seminar will be presented by Dr. William Rabinowitz, professor of educational psychology, on the topic, "Organizing for Quality Teaching."

Dr. Rabinowitz will discuss approaches that a teacher may take in organizing subject matter for a presentation to achieve an orderly flow of knowledge. Faculty members from all Colleges are invited to attend.

The quality teaching seminars are being sponsored by the Office of Resident Education and the Cooperative Extension Service of the College of Agriculture.

Pittenger to speak

John C. Pittenger, Pennsylvania Secretary of Education from 1972 to 1977, will present a talk as a guest of the School of Journalism at 8 p.m. tonight (Jan. 25) in Room 111 Forum.

Mr. Pittenger has also served as a special assistant to the Governor, research director for the Speaker of the House of Representatives and a two-term member of the House from Lancaster City.

Most recently, he chaired a special commission on the "Operation of the House." The commission issued a final report in December, and recommended various ways of improving the State House of Representatives.

Mr. Pittenger was graduated from Phillips Exeter Academy, Harvard College and Harvard Law School and was a Frank Knox Fellow at the London School of Economics.

After leaving State government in January 1977, Mr. Pittenger wrote "Progress and Problems in Education, A Report to the People of Pennsylvania."

The 83-page booklet is widely circulated among local government officials in the State. He also spent 18 months as a visiting professor at the Harvard Graduate School of Education and is now teaching political science at Franklin and Marshall College.

At Penn State, he will discuss government, politics, education and journalism.

Nine projects funded in gerontology

Nine projects have been funded by the Gerontology Center in the College of Human Development as a result of the third-year Developmental Grant Program announced last October by the Center.

Faculty were invited to submit proposals for up to \$2,500 each in the areas of research, instruction and continuing education/community service.

The program, aimed at stimulating and improving University-wide gerontological research and instructional capacity, attracted 24 proposals. Evaluation was done by the intercollege faculty Academic Committee of the Gerontology Center, Recipients, by College, with their proposals, are:

Business Administration: John E. Sheridan, associate professor of organizational behavior, Employee Influence on Nursing Care in Nursing Homes.

Human Development: Colien Hefferan, assistant professor of behavior economics, Assessment of Retirement Planning Strategies; Drew Hyman, assistant professor of community development, Advocacy Training in Gerontology.

Liberal Arts: William J. Ray, assistant professor of psychology, Sex Differences and Hemispheric Specialization of Hemisphere Functioning in an Older Population; Medicine; Arthur H. Hayes, professor of medicine and pharmacology, Dennis W. Schneck, assistant professor of medicine and pharmacology, and John R. Luderer, instructor in medicine, Altered Drug Metabolism and Excretion in Geriatric Patients; David J. Hufford, assistant professor of behavioral science.

Robert L. Sevinsky, assistant professor of behavioral science, and Robert W. Miller, assistant professor of behavioral science, The Role of Religious Belief in the Course of Bereavement in an Elderly Population. Science; Adam Anthony, professor of biology, Biochemical and Histochemical Assessment of Corticoid Hormone - Brain RNA Interactions in Young and Old Mice; Subjected to Sensory Stimulation; Robert A. Schlegel, assistant professor of microbiology and cell biology, and W. Edward Mercer, genetics graduate student, Somatic Cell Genetics in the Analysis of Invitro Cellular Senescence.

Continuing Education: Susan E. Lupton, area representative, Swarthmore, and Jean E. McCurry, area representative, Delaware County, Planning for the Philadelphia Gerontology Mini-Series, 1979.

Funds for this program were made available under a third year operational grant to the Gerontology Center by the Administration on Aging of the U.S. Department of Health, Education and Welfare.

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From the Trustee Docket

(Continued from page 1)

State's Hotel and Motel Administration School.

His professional and community affiliations include membership on the advisory committee of the Continental Bank and vice chairmanship of the Eastern Pennsylvania Cancer Crusade Drive. He has served several terms as a school director and is a member of the board of directors of Big Brothers of Bucks County.

Mr. Conti and his wife, Pat, have two sons, Joseph and Michael. Michael attends Penn State, and Joseph is a 1976 graduate of the University.

Gross to head Capitol Campus

Dr. Theodore L. Gross, professor of English and former dean of humanities at the City College of New York, has been named provost and dean of Capitol Campus.

The appointment of Dr. Gross, who has distinguished himself in both academic and administrative positions, was approved by the Trustees.

"We feel that Dr. Gross's distinguished background in administrative and scholarly pursuits makes him ideally suited to lead the Capitol Campus through the challenging years ahead," President Oswald said.

With his excellent background in establishing programs in mass communications and public policy, Dr. Gross is ideally suited to develop programs related to State government. We want to provide maximum service from our Capitol Campus to people in Harrisburg and the Central Pennsylvania area.

Dr. Gross, whose appointment will become effective Feb. 1, succeeds Dr. Robert E. McDermott, who resigned to return to teaching. Dr. Duane R. Smith will continue to serve as officer in charge of the Campus until Dr. Gross's arrival.

Dr. Gross held the post of dean of humanities at CCNY from 1974 until 1976 and again in 1977. He has served also as vice president for institutional advancement. Previously he was associate dean of humanities and chairman of the Department of English. A specialist in 19th century American literature, he has authored four books, edited seven others, and written numerous essays.

A 1952 graduate of the University of Maine, Dr. Gross earned his M.A. and Ph.D. degrees, both with highest honors, from Columbia University. He joined the CCNY faculty in 1958 and has been a full professor since 1971.

He has brought about major curriculum changes in CCNY's College of Liberal Arts, including development of a bachelor of fine arts degree, establishment of programs in mass communications and public policy and development of the core curriculum in liberal arts and sciences.

As dean of humanities, he was responsible for the development of the Leonard Davis Center for the Performing Arts.

Dr. Gross was general editor of *America in Literature*, a two-volume text published in 1978. He is the author of *The Heroic Ideal in American Literature* and three other books. A new work, *Open Admissions and Academic Excellence: A Future for the Humanities*, will be published by Doubleday/Anchor this year.

His professional honors include a Rockefeller Grant, a New York Council for the Humanities Grant, and a Fulbright Scholarship. He has lectured at the invitation of the U.S. State Department in Nigeria, Israel, Italy, Holland, France and Austria.

A resident of Great Neck, N.Y., Dr. Gross is married and the father of two children, Donna, 17, and Jonathan, 16. His wife, Selma, is a college adviser and English teacher at Benjamin Cardozo High School in Queens, N.Y.

Floyd Fischer to retire

Floyd B. Fischer, one of the country's leaders in continuing education, plans early retirement from the University, effective this summer, after 38 years of service.

President Oswald announced Mr. Fischer's upcoming retirement to the Board.

"Mr. Fischer has been one of Penn State's most creative administrators," Dr. Oswald said. "All of his colleagues recognize the professional stature he has justly attained throughout the nation and the world."

"His energy, ability and imagination have established the pattern for programs throughout continuing education, and his mark is set forever on this entire program of education."

Dr. Oswald noted that, as the University begins the search for Mr. Fischer's successor, it "must review, first, the organization needed for the most effective program delivery as well as envision it in the 1980s."

The University, he added, will "assess the ever widening field of delivery of educational services throughout the Commonwealth."

"On our 22 campuses, with their allied programs of credit and non-credit courses, a broad assessment of the educational activities provided must be made. The Steering Committee on the Plan for the '80s, I feel certain, will devote careful and thoughtful attention to this whole area of the delivery of credit and non-credit courses. Indeed, one of the Task Force's early drafts speaks to possible reorganizational needs."

In the past eight years of Mr. Fischer's administration, Penn State's Continuing Education division has received more than 40 honors for outstanding and innovative programs. It won the top national award for the most innovative Continuing Education program in 1974, 1975 and 1977.

Born in Susquehanna, Pa., May 13, 1916, Mr. Fischer graduated from Penn State in 1937 with a degree in agriculture and biological chemistry. After working four years in industry, he joined the University's Continuing Education staff. He became director in 1964 and vice president in 1971.

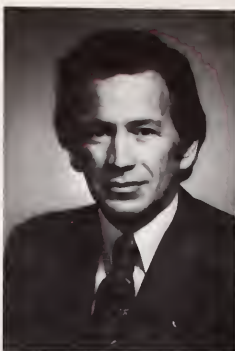
Under Mr. Fischer's direction, Penn State's Continuing Education program has grown to include more than 125,000 students a year, taking courses at some 200 locations in every county of the State.

He played a key role in the development of the Penn State Campuses at McKeesport, Scranton, Berks, York and New Kensington. His administration has initiated numerous new programs. These include the Pennsylvania Technical Assistance Program, a unique system of technology transfer to aid industries, public agencies and communities; a management development service; a coordinating council for continuing education in health care fields; educational services for diploma schools of nursing; and the educational TV station, WPXS.

Active in many professional associations, Mr. Fischer was 1977-78 chairman of the Council on Extension, National Association of State Universities and Land Grant Colleges. He also is past president of the National University Extension Association.

He is chairman of the Centre County Republican Committee; and holds directorships with C-COR Electronics Inc., Mt. Nittany Savings & Loan Association and Scientific Systems, Inc.

His articles have been published widely in professional journals. He has received numerous awards and honors throughout his career, including the 1978 Julius M. Nolte Award, the highest honor presented by the National University Extension Service. In 1973, he received the honorary degree of Doctor of Laws from Lycoming College.



Theodore L. Gross



Floyd B. Fischer

10 selected as Distinguished Alumni

Two businessmen, two federal officials, an educator, a physician-lawyer, a journalist, a Paris literary agent, a chemist and a Broadway costume designer were among 10 Penn State graduates honored as Distinguished Alumni Saturday.

The Board elected the 10 from nominations made by a special committee chaired by trustee Marian "Mimi" Coppersmith.

The alumni to be honored are: Dr. Benjamin S. Bloom '35, professor of education, University of Chicago; Dr. Arthur H. Coleman '41, San Francisco, physician; Dr. George P. Cressman '41, Rockville, Md., director, National Weather Service;

Lawrence G. Foster '48, Westfield, N.J., corporate vice president, public relations, Johnson & Johnson; David R. Jones '54, Montclair, N.J., national editor, The New York Times; Dr. Michelle Weiler Lapautre '53, literary agent, Paris, France; Carrie Fishbein Robbins '64, theater costume designer, New York City;

John J. Romig '21, retired chemist, Kennett Square, Pa.; William A. Schreyer '48, Princeton, N.J., president, Merrill Lynch, Pierce, Fenner & Smith Inc.; and Stanley W. Sporkin '53, Chevy Chase, Md., director, Division of Enforcement, Securities and Exchange Commission.

"The persons selected for this honor represent Penn State's most accomplished alumni," President Oswald pointed out. "They have carried its spirit of excellence into the arts, science, government and business throughout the world, and for that we offer them the highest honor an alumnus can receive."

They will be invited to return to the University May 31 through June 2 for the annual Alumni Institute and Class Reunions programs. At that time, they will be honored by fellow alumni and presented brass medallions by the president of the Board of Trustees and the president of the University.

DuBois Mansion to be removed

The Trustees were notified about steps being taken to remove the unoccupied DuBois Mansion from the University's DuBois Campus.

The report was presented to the Board's Committee on Physical Plant.

Following the meeting, Dr. Jacqueline Schoch, Campus director, said: "All of us have an appreciation of history and the many beautiful artifacts that are a part of it. There comes a time, however, when we must be realistic."

"The mansion, which is literally crumbling from old age, is a hazard to life and property. An estimated \$750,000 would be needed to repair the structure and make it conform to building codes. In addition, maintenance costs would be high."

"The University simply cannot afford to restore and preserve the mansion, especially at a time when it is faced with an austere budget."

Penn State used the mansion, built sometime after the Civil War, for classroom instruction and administrative offices from 1938 until 1975, when the nearby Student Study and Learning Center was completed. Administrative offices were moved into the new facility and the mansion has been vacant since.

Plaster on the walls of the vacant mansion has crumbled in many areas.

Some of the brickwork is turning to sand due to the structure's age. Some electrical wiring runs through tubes that formerly carried gas for the old gas lights.

The mansion's third floor has been unusable since it was declared unsafe by the Department of Labor and Industry in 1959. To compound the problems, water pipes broke during the severe winter of 1976-77 when the building was in the hands of the DuBois Mansion Historical Society. That resulted in the need for a new heating system.

The mansion was built by John DuBois, founder of the city of DuBois. It was used as a family dwelling until the early 1920s when it was vacated. The building stood unoccupied and unheated for approximately 15 years. In 1938, the DuBois heirs presented the mansion and four acres of land to the local school district to be used for post-secondary education.

The school district in turn sold the property in 1950 to the DuBois Educational Foundation, established in May 1945 as the advisory board for the DuBois Campus.

Deterioration of the mansion was underway before it became University property. Extensive remodeling, accomplished through a WPA project, cost \$36,740 in 1937. Additional repairs were made in 1948 and 1959.

Until 1976, the mansion was leased by the Foundation to the University. In that year, however, the agreement was terminated so that The DuBois Mansion Historical Society could hold the lease. The Historical Society wanted to renovate and utilize the building as a historical site.

While in the Society's hands, repairs were performed on the building's roof, but after that the water pipes froze and broke. The Society, unable to find funds to restore the mansion, returned it to the Foundation.

Gift funds allocated

Trustees approved the allocation of \$91,550 of undesignated gift funds contributed by alumni and friends of the University.

The funds are used to enrich special University projects not covered by tuition or by State and federal funds.

The largest portion, \$35,000, was earmarked for an on-line record system requested by Penn State's Alumni Association. The association maintains records on about 250,000 Penn State alumni and friends, but its current record system was designed for only about 50,000 people. With the new system, changes of address and other revisions that formerly

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took two weeks can be done on demand.

A total of \$20,500 from alumni and friends was allocated for the enrichment of campus life and cultural offerings. The projects include:

- \$1,250 to help cover the costs of 1,000 copies of a recording, "The Penn State Glee Club in a Concert of Pennsylvania Music," commemorating the 90th anniversary of the Glee Club.

- \$1,800 to purchase three glass display cases for art and craft work at the Student/Community Center at the York Campus.

- \$4,500 for promotional funds for the Beaver Campus Gospel Choir.

- \$2,000 to publish a brochure that will illustrate and describe art works housed in the Fayette Campus Library.

- \$1,200 to the Allentown Campus to purchase a piano for the student lounge and conference room.

- \$6,000 to install a 50-bell symphonic carillon on the DuBois Campus, to which the Campus Alumni Society has also pledged \$2,500. DuBois area residents will be invited to add contributions to the fund.

- \$1,800 for the purchase of three lighted, lockable glass display cabinets for art work in Reed Union Bldg. at the Behrend College.

- \$1,800 for three additional tri-paneled art display boards to be used in the Frable Bldg. at the McKeesport campus.

The Trustees also authorized \$22,750 for improvement of campus environment. The projects are:

- \$10,000 for renovation of the Civil Engineering Lodge at Stone Valley Recreation Area; funds needed for preliminary plans and architects' drawings will be provided by other sources within the University. Additional monies ultimately will be needed for the renovation project and will be sought as class gifts or from student groups.

- \$1,000 to provide minor alterations and furnishings for a planned Geosciences Commons Room at the University Park Campus requested by the Department of Geosciences.

- \$3,500 to the vice president for continuing education for beautification of the J. Orvis Keller Conference Center patio entrance.

- \$5,000 to support fund-raising efforts by the Hazleton Campus Advisory Board to improve the gateway entrance to the campus so that it conforms with the architectural style of the Campus.

- \$750 to purchase plants, trees and planters to be located throughout the new Academic Building at the Allentown Campus.

- \$2,500 to construct a campfire circle and barbecue pit at the McKeesport Campus. Although the Campus has pledged \$1,000 to the project, additional funds will be needed from the community.

Funds allocated for academic program innovations are:

- \$3,800 for a government information search system, requested by the documents section of the University Libraries.

- \$5,000 to establish a library of business films that would otherwise not be available to undergraduate students in the College of Business Administration.

- \$1,500 to construct a biology display area in the first floor alcove of the Nick Building at the Behrend College. The funds had been requested by the Department of Natural Science and Engineering at the College.

- In addition, the trustees allocated \$1,000 for development of a slide presentation, "Welcome to State College," to be prepared through the Office of the Vice President of Student Affairs. The Board also allocated \$2,000 for an American Comparative Literature Association (ACLA) Graduate Student Conference.

7 scholarships established

A report on a number of recently established scholarship funds was submitted to the Trustees. The funds include:

- The Michael J. Daly Memorial

Award, set up with a contribution of \$2,282 from the colleagues and friends of the late Dr. Daly, a native of Ireland who earned his Ph.D. in food science at Penn State in 1970 and was killed in an auto accident in 1977. Awards will be made to students studying food science who have superior academic records and a need for financial aid.

- The Class of 1928 Scholarship Fund, established with a principal of \$59,000. Awards will go to outstanding undergraduates chosen by procedures applicable to the selection of Penn State Scholars.

- The Jesse Rossier Rapp Memorial Scholarship Fund, implemented with a contribution of \$10,000 from Mrs. Rapp in memory of her husband, a member of the Class of 1915 in the Department of Forestry. Recipients must be enrolled in the School of Forest Resources and have completed at least nine terms as undergraduates. Graduate students not holding assistantships are eligible. Further qualifications include superior academic achievement, promise of professional success, good character and financial need.

- The Walter A. Brunhouse Scholarship Fund, set up with a grant of more than \$175,000 from the estate of the late Mr. Brunhouse, who graduated from Penn State in 1915 with a B.S. in agronomy. The fund will assist York County residents enrolled either at the York Campus or at Penn State Schuylkill.

- The George B. Doughman Memorial Scholarship Fund, established by a grant of more than \$120,000 from the estate of the late Mr. Doughman, who graduated from Penn State in 1924 with a degree in electrical engineering. First consideration

Some continuing ed classes free to retirees

Starting Feb. 1, retired persons 60 or older may enroll in credit classes through continuing education on a tuition-free basis at the University.

The program, approved by the Trustees, allows the retirees to enroll free in courses provided through the Office of Continuing Education.

"The purpose of the new program is to extend the concept of lifelong learning and enhance Penn State's services to retired persons," Floyd B. Fischer, vice president for continuing education, told the Trustees.

The special plan is known as the Penn state GO-60 program (Golden Opportunity for persons 60 years of age or older). Enrollments will be accepted on a space-available basis.

All persons 60 or over, who do not work more than half-time, will be eligible for GO-60. Participants are asked to visit their nearest Penn State Continuing Education office for GO-60 membership cards. Each person will need to provide eligibility.

Courses available under the tuition-free policy include all undergraduate and associate degree classes offered through the Continuing Education program. Expenses beyond tuition such as texts and laboratory fees, will be paid by the student. Excluded from the no-tuition program are graduate courses, and non-credit short courses, conferences, workshops and other specialized non-credit programs.

To cover the special costs involved, half of normal tuition will be charged to GO-60 members for credit courses through correspondence study.

surrounding area and to encourage and identify excellence in the arts.

The initial principal of the fund, \$23,500, has been contributed by Mrs. Harriet Behrend Ninow, the daughter of the late Mary B. Behrend. Mrs. Behrend, in July 1947, gave the 420-acre estate owned by her and her late husband, Ernst Behrend, to the University.

A faculty committee will select artists, programs and exhibits and allot funds.

Indoor sports complex plans advance

Overall plans for the proposed new Indoor Sports Complex at University Park were approved by the Board. Sketch plans had been approved in November.

Funds for the complex, including design costs, are being provided through contributions from alumni and friends of the University and from operational income. No tuition or tax dollars are being used for this project.

The design is being prepared by the Pittsburgh architectural firm of Deeter Ritchey Sippel Associates.

The plans include construction of a year-round 85-by-200-foot ice skating rink and a smaller practice rink, with a support building that will house locker rooms, showers, offices and meeting rooms. In an earlier phase of the project, the first step of conversion of the former Ice Pavilion for sports use was completed with installation of a new concrete base covered by an artificial multi-purpose surface.

New Hershey affiliate

An affiliation agreement between the College of Medicine and the Medical Center of Beaver County has been approved by the Trustees.

Under the pact, medical students will be able to choose the Medical Center of Beaver County for elective clinical clerkships, and a variety of hospital staff members will be able to participate in co-sponsored continuing education programs.

The Beaver Center becomes the 14th hospital in the State to have this kind of teaching affiliation with the College of Medicine.

The Medical Center of Beaver's physicians who make significant contributions as volunteer teachers of medical students will receive clinical appointments to the Penn State College of Medicine faculty. Both institutions will note the affiliation in their publications.

Friends of 4-H founded

The Pennsylvania Friends of the 4-H has been established to identify goals and boost private support for the State's 4-H program, Trustees were informed.

The new group will seek to strengthen and promote 4-H by working to make the program's informal educational opportunities available to more Pennsylvania youths. It also will help seek financial support.

Dr. Thomas King, associate director of the Cooperative Extension Service, which directs the State 4-H program, said, "The board of directors will be composed of leaders in business and industry, those interested in youth programs and members of the Cooperative Extension staff. We're looking for outstanding individuals, and we hope to be in operation by February or March."

The new group is part of Penn State's development program through the Office of Gifts and Endowments.

Penn State's Cooperative Extension Service coordinates the activities of some 90,000 Pennsylvania 4-H members, aged 8-19. Projects, supervised by adult and teen volunteers, are designed to develop skills and abilities in youth as participating members of their communities.

Local clubs are active throughout the State, and more than three-quarters of the members live in non-farm environments.



Artist's sketch of new Berks Campus building.

Final design for new Berks Campus building approved by Board

Bids for construction of a physical education/convention building at the Berks Campus are being sought following authorization of project plans by the Board. The Trustees also approved the

final design of the building, which was created by the Reading architectural firm of Muhlengreen-Greene. Summer 1980 is the target date for completion of the building.

will go to students who are residents of Juniata County and are eligible for admittance to the Penn State Scholars Program. Second consideration will be given to Juniata County residents enrolled as full-time undergraduates and in need of financial aid. Final consideration will go to students whose homes are in Franklin, Huntingdon, Mifflin, Perry and Snyder counties.

- The Radley Run Garden Club Scholarship Fund, set up to assist outstanding horticulture students in the College of Agriculture. The club, situated in West Chester, has contributed \$1,000 for two \$500 scholarships to be awarded during the 1978-79 academic year. First priority will go to qualified recipients from Chester County, and second preference will be given to students from Delaware County.

- The Alfred F. Hull Memorial Award Fund, implemented with a grant of \$2,000 from the estate of the late Carolyn Wose Hull, the wife of William Hull, director of exhibitions for the Museum of Art at the University. The fund honors their deceased son. Awards will be made to undergraduates majoring in food service and housing administration in the College of Human Development. Applicants must have completed three terms of study and should exhibit professional involvement and commitment to the hospitality industries.

Mueller is honored with lectureship fund

An Erwin W. Mueller Memorial Lectureship Fund has been established with an initial principal of more than \$6,700, contributed by friends and associates of the late Dr. Mueller, Evan Pugh Professor of Physics.

Dr. Mueller, internationally known for his discoveries of field desorption, field ionization at surfaces, field evaporation of metals and fundamental effects in electron and atomic physics, died on May 17, 1977.

The fund will provide honoraria and expenses for outstanding scientists to present seminars or lectures at the University or to meet informally with students and faculty. Sponsored by the Department of Physics, the seminars and lectures will be presented primarily in, but not limited to, the fields of surface physics and solid state physics.

Speakers will be selected by a physics department faculty committee.

Fund set up at Behrend

A Mary B. Behrend Fund for the Development of Artistic and Cultural Events at the Behrend College has been established.

The program will provide art exhibits, professional entertainment, and other cultural media to enrich the campus and

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Jan. 25-Feb. 4

Special Events

Thursday, Jan. 25

Campus Colleagues, 4-6 p.m., Colonial Room, Nittany Lion Inn. Carol Leland, Dean, College of Human Development, on "In Support of Women."

Campus Crusade for Christ, Josh McDowell, evangelist, on "Maximum Sex," 7 and 9 p.m., Eisenhower Auditorium.

Folklore Studies/Graduate School Public Lecture, Henry H. Glassie, University of Pennsylvania, on "What is Folk Art?" 8 p.m., Room 112 Kern.

School of Journalism Public Lecture, John C. Pittinger, former Pa. Secretary of Education, will speak, 8 p.m., Room 111 Forum.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Friday, Jan. 26

SFO Film, *Play Misty for Me*, with Clint Eastwood, 7, 9 and 11 p.m., Room 102 Forum.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Artists Series, Vinette Carroll, *Your Arms Too Short to Box with God*, gospel show, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 27

Sports: men's volleyball, Nittany Lion Invitational, coed riflery, NRA Sectionals, men's fencing, vs. Pennsylvania, 1 p.m.; women's fencing, vs. Pennsylvania and Carnegie-Mellon, 1 p.m.; men's swimming and diving, vs. Edinboro, 2 p.m.

University Theatre, *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*, 8 p.m., The Pavilion Theatre.

Sunday, Jan. 28

Sports: coed riflery, NRA Sectionals. University Chapel Service, 11 a.m., Eisenhower Chapel. Donald Davis, United Ministries, speaker.

Opening Reception for exhibit by Richard Alden, 7 p.m., HUB Gallery.

Monday, Jan. 29

First day for signing Spring Term NDSL and University Long Term Loans, Room 108 Shields.

Last date for March graduates to deliver theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for March graduates.

Recreation and Parks Student Society, New Game Week, 7-10 p.m., Room 126 White Bldg.

Alard String Quartet, 8:30 p.m., Music Bldg Recital Hall.

Tuesday, Jan. 30

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Joseph Coter, classics, on "Socrates's Entrance and Exit: A Platonic Variation on an Aristophanic Theme." Shakespeare film, *Williamson, Hamlet*, 6:30 p.m., Room 101 Chambers. Free.

Wednesday, Jan. 31

Shakespeare film, *Williamson, Hamlet*, 6:30 p.m., Room 101 Chambers.

Sports: men's basketball, vs. George Washington, 8:10 p.m.

Artists Series, Pittsburgh Chamber Orchestra, Donald Johanos, conductor, 8:30 p.m., Schwab.

Thursday, Feb. 1

Phi Alpha Theta Colloquium, 1:30-3:30 p.m., Memorial Lounge. Eisenhower Chapel, "Women's Role in History," a discussion by Paul B. Harvey, Jr., Isabel F. Knight, E-tu Zen Sun and Philip F. Seebins, History Department faculty.

Friday, Feb. 2

Deadline for applying for 1979-80 Graduate School Program Fellowships.

Interfraternity Council Dance Marathon, 6 p.m.-6 p.m., Sunday, Main Gym, White Bldg.

Sports: men's gymnastics, vs. Indiana State, 8 p.m.

Artists Series, Pittsburgh Symphony Orchestra, Leonard Slatkin, conductor, with Nathaniel Rosen, cellist, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 3

Sports: women's fencing, vs. James Madison, Temple and California (Pa.), 10 a.m.; women's gymnastics, vs. Indiana State and Massachusetts, 8 p.m.

Artists Series, Pittsburgh Symphony Orchestra, Donald Johanos, conductor, Concert for Young Audiences, 10:30 a.m., Eisenhower Auditorium, Pittsburgh Symphony Orchestra, Leonard Slatkin, conductor, with Nathaniel Rosen, cellist, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 4

University Chapel Service, 11 a.m., Eisenhower Chapel. Joseph Faulkner, sociology, speaker. Sports: men's basketball, vs. Villanova, 2:10 p.m.

Seminars

Friday, Jan. 26

Analytical Chemistry, P.B. Shephard, graduate student, on "New Ion-Selective Electrodes," 11:10 a.m., Room 333 Whitmore.

Remote Sensing, C. Robert Mathewson, research assistant, on "Image Enhancement at ORSER," 2 p.m., Room 229 EE East.

Philosophy, David Kline, Iowa State University, on "The Theory-Ladenness of Observation," 4 p.m., Room 267 Willard.

Physical Chemistry, Stanley Opella, University of Pennsylvania, on "FT-NMR of Protein-Nucleic Acid Interactions," 4 p.m., Room 333 Whitmore.

Monday, Jan. 29

Biology, Jack C. Vaughn, zoology, Miami University, Oxford, Ohio, on "DNA Sequence Organization and DNA Evolution," 12:45 p.m., Room 14 Henderson.

H.P.E.R., Richard T. Ball, attorney, on "Product Liability: Will It Bankrupt Athletics?" 3:00 p.m., Room 101 Kern.

Biochemistry and Biophysics, Dr. John Taylor, Hershey, on "Regulation and



"Neither snow nor sleet..." stops the Alard whose concert is Jan. 29. From left, Leonard Feldman, Joanne Zagst Feldman, Donald Hopkins, Raymond Page.

Characterization of Rat Liver Ovalbumin m-RNA," 3:55 p.m., Room 101 Altohouse.

Tuesday, Jan. 30

Food Science, Scott Smith, student, on "Chilling Injury in Fruits," and Stanley Tarka, graduate student, on "Post-Harvest Physiology of Bananas," 11:10 a.m., Room 201 Borland.

Water Pollution Control, Thomas H. Neel, Derry Township Municipal Authority, Hershey, on "Wasteland Management at a Regional Wastewater Treatment Facility," 2:20 p.m., Room 271 Willard.

Geosciences, John C. Griffiths, geosciences, on "Mineral Resource Assessment Using the Unit Regional Value Concept," 3:45 p.m., Room 26 Mineral Sciences.

Chemical Engineering, E.E. Papoutsakis, Purdue University, on "Diffusive Heat or Mass Transfer with Convection in Low Peclet Number Regimes," 3:45 p.m., Room 140 Fenske.

Plant Pathology, Vann Gregory, graduate student, on "Mutation Breeding," 3:55 p.m., Room 213 Buckhout.

Wednesday, Jan. 31

Computer Center, "Graphics" (4 of 4), 7:30 p.m., Room 112 Osmond.

Thursday, Feb. 1

Chemistry, Keith Hodgson, Stanford University, on "Structural Chemistry of Molybdenum in Metalloenzymes," 12:45 p.m., Room 333 Whitmore.

Friday, Feb. 2

Analytical Chemistry, J. Recchia, graduate student, on "Protein Binding Capacity by Charcoal Titrations," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Gerd M. Rosenblatt, chemistry, on "Raman Scattering as a Flame Temperature Probe," 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open Monday and Wednesday, 9 a.m.-3:30 p.m., Tuesday, 9 a.m.-1 p.m. and by special appointment, 865-3853. Artifacts from Afghanistan.

Chambers Gallery: Philippus Steven Söllman, craftsworks, through Jan. 30.

HUB Gallery: Central Pa. Scholastic Art Awards exhibit, through Jan. 28. Smithsonian Institution exhibit, "A Cartoon History of American Foreign Policy," through Jan. 27. The Works of Richard Alden, PSU, architecture, open Jan. 28 through Feb. 4. Black Experience exhibit, Frank Smith, Howard University paintings, opens Jan. 29.

Kern Commons Gallery: Young American Printmakers, prints from 16 art schools and universities, through Jan. 26. Contemporary Photographers VI, 50 recent additions to the permanent collection of the George Eastman House, opens Jan. 27.

Museum of Art: open noon-5 p.m. daily, closed Mondays. Free tours, Sunday, 1:30 p.m.-American 20th-century paintings from the permanent collection, through Jan. 28, watercolors and drawings from the permanent collection, William Dole, a retrospective exhibit of collages, 1958-1978.

Pattee Galleries: Exhibition on the Black Experience, opens Jan. 28.

Robeson Cultural Center Gallery: Exhibition on the Black Experience, opens Jan. 28.

Zoller Gallery: open 9 a.m.-5 p.m. weekdays, noon-5 p.m. weekends. Graduate students' show, "Why We Do What We Do," through Feb. 4.

Arts Roundup

Pittsburgh in residence

The Pittsburgh Symphony will be in residence at the University Jan. 29-Feb. 3. Their week long stay will include open rehearsals, performances with student musicians, a chamber orchestra concert, two evening programs by the full orchestra and a Saturday morning young people's concert.

Guest conductor Leonard Slatkin, music director of the St. Louis Symphony, will conduct the orchestra for concerts at 8:30 p.m. Friday and Saturday in Eisenhower Auditorium. These programs will feature cellist Nathaniel Rosen, the first American since Van Cliburn to win a Gold Medal in the prestigious Tchaikovsky competitions.

The Friday evening program includes Mr. Rosen performing Haydn's Cello Concerto in D Major. Other works to be performed are Beethoven's *Leonore No. 3*, and Bartok's *Concerto for Orchestra*.

Saturday evening's program will repeat the Beethoven and Bartok works and feature Mr. Rosen performing *Schelomo*,

Ernest Bloch's rhapsody for solo cello and orchestra.

Donald Johanos, the Pittsburgh's associate conductor, will lead a chamber orchestra, made up of players from the full symphony, for an 8:30 p.m. Wednesday concert in Schwab Auditorium. That program includes Mozart's *Symphony No. 29*, Stravinsky's *Dumbarton Oaks Concerto*, Wagner's *Siegfried Idyll*, and *Die Meistersinger* by Jacques Ibert.

The Saturday morning program, which Mr. Johanos will also conduct, includes the *Overture from Candide* by Leonard Bernstein, Bach's "Air" from Suite No. 3 in D Major, Rimsky-Korsakov's "Feast of Bagdad" and "The Sea" from *Scheherazade*, and Young Person's *Guide to the Orchestra* by Benjamin Britten.

Tuesday evening, from 8 p.m. until approximately 10:30 p.m. in Eisenhower Auditorium, the Pittsburgh group will participate in a one-to-one rehearsal with the Penn State Symphony.

Thursday at 4 p.m. in Eisenhower Auditorium, Mr. Slatkin will present a free public lecture on the Bartok work on the orchestra's program.

Tickets to the chamber orchestra concert and the Saturday morning and evening programs are available from the Artists Series at their HUB Booth and the Eisenhower Auditorium Box Office. Chamber tickets will be sold Jan. 29-31; the Saturday tickets will be offered Jan. 31-Feb. 2.

Alard concert Jan. 29

The Alard String Quartet will present a concert at 8:30 p.m. on Monday, Jan. 29, in the Music Building Recital Hall. The group will perform Mozart's Quartet in G Major, k. 387; Tchaikovsky's Quartet No. 1 in D Major, and the Quartet in F Major by Maurice Ravel.

The Alard has recently returned from performances in Wheeling, W. Va.; Winston-Salem, N.C.; Oak Ridge, Tenn.; and Columbia, Md. In February, the group will tour Florida, performing in Miami, Palm Beach and five other cities.

Alard members are Joanne Zagst Feldman and Donald Hopkins, violinists; Raymond Page, violist; and Leonard Feldman, cellist. All are associate professors of music at the University.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made to the all University employees who are interested in promotion may apply by calling the Employment Division, 863-1287 (network line 473-1287). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 1, 1979.

ASSISTANT MANAGER OF OPERATIONS FOR PROCEDURES AND TRAINING - INTERCOLLEGE RESEARCH PROGRAMS, University Park. Responsible for developing, writing, operating, and monitoring new operations procedures, analyzing proposed changes to operating systems, subsystems and hardware to insure that these systems are manageable. Also responsible for developing and conducting training sessions for the Operations Group staff. Write and document new computer programs, establish and maintain data bases as required for Operations Group procedures. Perform analysis and prepare reports on topics assigned by Manager of Operations. Serve as Shift Supervisor on periodic weekend shift and other occasions as required. Bachelor's degree or its equivalent in computer science or related field and over two years of directly related experience in computer operations or system programming with large computer systems. A demonstrated proficiency in technical writing and program programming competence in assembler language and at least one higher level language.

Senate report

(Continued from page 1)

Status reports have been given from time to time, but success or failure is most difficult to measure. Frequently, standards must be prepared before they can be applied to the data. The committee will have a further status report soon, but is already concerned with next year's evaluation of program success.

Committees and Rules

Every legislative body needs an internal committee that helps the body to organize itself. Committees and Rules is the Senate's internal committee and helps by advising the committees, interpreting Senate legislation, and proposing changes to our Constitution. Two items of interest along these lines that will appear in the next agenda are a method for policing undue absences, and a proposal for enfranchising the medical students.

Continuing Education

The University has stated that more attention will be paid to non-traditional categories of students; however, some indications are that the enrollment of these students at Penn State is falling. This committee expects to report on trends in continuing education enrollments. It has already reported on a recent outside report of Penn State's continuing education activities. This committee has made known its intention to monitor the environment for faculty activity in continuing education.

Curricular Affairs

The keystone of the Senate's activity is the legislative function of review and evaluation of courses and programs. As such, the principal activity of this committee is evidenced by the "blue sheet" reporting on course and program adds, changes, and deletions. In keeping with their mandate to study existing courses, this committee is preparing informational reports which should appear later this Spring on the definition of level implied by a 400-series number, and the use of 800-level baccalaureate courses to associate degree programs. Informational reports are also being prepared on the University's course master file maintained by the Senate, and on cross-listed courses. The committee anticipates, by late Spring or early Fall, a response which aids the implementation of the University Scholars Program. Additionally, the committee has already given an informational report on Associate Degree program review.

Curricular Affairs — Baccalaureate Degree Requirements III

As part of its continuing charge to develop criteria by which courses and curricula are judged, the Curricular Affairs Committee has a subcommittee which is developing procedures to implement the recent Senate revision of baccalaureate degree requirements. This subcommittee is to prepare guidelines by which programs submit their proposals for meeting the general education requirements of the University. This includes a system for evaluating the suitability of specific courses to the various BDR course categories. The guidelines should be released soon. It is hoped that program submissions will occur late in the Spring or early next Fall. A fond hope of mine is that the process of curricular reexamination will lead to the elimination of some course and program duplication and the raising of standards in some required courses.

Extended Degrees

Charged with caring for the University's efforts in extended degrees, this committee examines each degree proposal, and, from time to time, reviews the use of existing extended degree programs. To this end, it expects to report to the Senate soon on procedures by which it reviews proposals, and, soon after that, to report on its review of programs in operation.

External Affairs

The Committee on External Affairs is concerned with activities outside the University which impinge on the faculty. One of their most useful reports was the recent one on the flow of information from Penn State to Harrisburg about faculty activity, the so-called Snyder Amendment report. A recent expansion of their activity is to become the faculty advisory body to the Office of Publications. An informational report on this advisory role will be presented to the Senate next month.

Faculty Affairs

The ability to speak for the faculty about matters of our concern is another very important role for the Senate. Although primarily advisory in function, the Committee on Faculty Affairs will have performed some important tasks this

year. The soon-to-arrive report on the use of part-time faculty is seminal in the grasp it gives us of the incidence of their use throughout the system. Less visible, but as important, are the debates that lead to advice and positions for their representatives on the PS-23 review commission. Although these issues may not surface for awhile, the committee has been asked to consider such items as

1. the significance of a heavy teaching load in the basic skills upon a faculty member's evaluation for promotion and tenure,
2. whether there should be a more pronounced system of advocacy during the review process; and
3. what is the effect of budgetary constraints on reasoned academic decisions.

The committee is aware of the diversity of faculty concerns, particularly with the policy on promotion and tenure, and is pursuing them in the proper arenas.

Other questions that have been discussed are the equity of title distribution for the Artists Series, course evaluations, good teaching awards, the Faculty Club, salary policy, fringe benefits, and so forth. Since a representative of the Provost's Office sits with this committee, positive results are often effected without formal reports.

Intra-University Relations (IRC)

This committee is charged with studying "issues which arise due to the geographic spread of the University." The problem with a charge is that it is difficult for the committee to plot a course between trivial irritants and global philosophies so that it can produce reports of substance.

Nevertheless, it has divided itself into subcommittees which are attempting to report on the following areas. If each of these reports make their way to the floor and are discussed by faculty, then this committee will have made a major contribution.

1. What is the significance for today of the phrase that Penn State is "One university geographically dispersed"? How does our system compare with other multi-campus universities? Are we really "one" when we have publicly-stated goals for the commonwealth campuses that vary from those for the colleges at University Park? These goals include mission of the unit, levels of instruction, and academic achievements of the faculty.
2. Should the campuses seek delegation of authority from the Senate to associate degree officers only at that campus? If the subcommittee agrees that they should, then a legislative report including proposed enabling legislation will be coming.
3. A separate subcommittee is examining a similar question for the delegation of authority for courses.
4. A continuing effort of IRC is to review the constitutions of the various faculty organizations. A subcommittee is organized to do this.
5. In a parallel fashion, a subcommittee is examining existing, approved faculty organizations to see if they are working as intended. Some of the conflicts that have appeared recently between administrators and faculties may be the result of misinterpretation of the rights and responsibilities of the faculty organization.

IRC is a large committee. It is another fond hope of mine that they will pull together and produce the studies that are critical to Penn State's future and which only they have the scope to create.

Libraries

The Committee on Libraries is advisory to the Dean of University Libraries and helps him to formulate library policy. Although the scope of this committee may appear limited, the problems facing the library are as microcosmic of those facing the whole University: rapidly inflating, expanding goals, and contracting resources. A mark of a good university is a good library; the question of how to maintain our quality remains open. The committee has already reported on a computerized circulation system and expects to continue reports on the financial and physical strains which the library faces.

Planning and Development

Planning and Development is a relatively new committee which brings the Senate closer to administrative long-term planning than it has ever been before. In addition to being advisory to the Senate Vice-President for Administration, the budget and planning officer, and the Vice-President for Business, the committee chairman is a member of the steering committee for the policy plan commission. If I may be allowed, this committee is considering elements of the broad question, whether Penn State without letting Penn State whither. Previous year's reports have plotted trends in budgetary and demographic trends for Penn State. This year has already seen a report on the five-year budget and planning cycle which attempts to show how the University is effecting internal redistribution

and reduction of budgets. They anticipate producing a further report on how budgets are prepared at Penn State.

Other questions that may not be studied this year, but which will continue to need an answer from this committee are whether there should be essential limits by class of students on provisional, non-degree, and associate — in courses and at varying locations; and whether there should be standards for a minimum size of programs, departments, colleges, and campuses. A continuing function of this committee, which has already been performed twice, once for BDR and once for the report on programs for essentially superior studies, is to assess the potential cost of major pieces of Senate legislation.

Research

This committee, advisory to the Vice-President for Research and Graduate Studies, serves as a reviewer of the reports on research program review. From time to time it reports the results of these reviews. The committee has also struggled with several drafts of a paper on the "Climate for Research at Penn State." It is probable that there will be one or more reports to the Senate from this committee which will attempt to define the dilemma which looms in the apportionment of faculty time between teaching and research. It is felt that research-productive faculty is necessary for a quality institution, yet faculty time is increasingly absorbed in advising and teaching loads. The committee may not be able to do more this year than accurately define the trends.

Student Affairs, Awards, and Scholarships

The routine duties of this committee include the review and approval of all University scholarships; they also include the provision for first hearing complaints or proposals by students. A recent request to study the use of off-campus copy services is now underway. We can look forward to a fine report on student housing and the residential life programs in the February meeting. This committee studies a variety of problems which relate to student affairs; because many of them can be resolved without formal action, not all of their studies reach the Senate floor.

Undergraduate Instruction

One of the most active of the Senate committees, Undergraduate Instruction advises on policies relating to all matters of such teaching; it also advises on setting up, changing, or closing organizational units in undergraduate instruction; and it is advisory to the Vice-President for Undergraduate Studies. Of the various actions that I suggested to committees, the largest number went to this committee. This committee has already hosted a forensic session on the role of the advisor and shepherded passage of the report on programs for academically superior students. The committee anticipates a report in March on guidelines for implementing the policies on retention and transfer. It is also contemplating a report that will more tightly define the attainment of a 2.0 average for graduation to include a 2.0 average in courses for the senior. The committee is beginning a study on the use of graduate teaching assistants in undergraduate instruction. It is also examining some of the aspects of implementation for the University Honors Program. A continuing role is being played in monitoring the use of student evaluations, and in advising both the Division of Undergraduate Studies and the University Division of Instructional Services.

One of the responsibilities of this committee, which has been brought to the fore by recent events, is to advise on the "discontinuation" of units. Although it is a specific case that has brought the attention, the committee is attempting to produce academically-sound guidelines for justifying the closure of a unit. In time, these guidelines may become fundamental to the justification for a unit's continuation as well as discontinuation.

Occasionally, this committee attempts to obtain a broad perspective on the future of the University. They recently submitted a draft of their thoughts about the future of undergraduate instruction to the steering committee of the commission for the plan for the '80s. In turn, suggested that it might be fun to see if our academic programs are grouped most logically into colleges. Because of the need to re-duplication, the time may be ripe to examine our collegiate structure to see if it is the most appropriate for Penn State. I doubt that the committee will have an early report on this topic as they have many other problems on their plate; nonetheless, it is a question which should be answered.

Senate Officers

In addition to participating in the work of the standing committees, the Senate officers, ex officio, are members of the Faculty Advisory

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

QUESTION:

I belong to the VALIC plan and receive periodic statements from them. While my paycheck is done on the last day of the month, all the transactions to VALIC take place generally three days later. Why is there this apparent lag in time between deducting for VALIC and then crediting my account?

Chester M. Smith Jr.

ANSWER:

The University makes every effort to process the payment to VALIC as soon as possible, which is usually the second working day following the payment of the monthly salary payroll.

The check and a listing of employees' deductions are sent to the VALIC district office in Philadelphia. The Philadelphia office, in turn, transmits the listing information via teletype to the main office in Houston, Texas. The Houston office posts the information to the employee's account. The posting date is not necessarily the date the check was received by the Philadelphia office.

Marlin D. Holderman
Director, Accounting Operations

WPSX Highlights

Special Section. Costa-Gavras's disturbing look at totalitarianism in France during the Vichy regime of World War II is presented on **Cinema Showcase**, Saturday, Jan. 27, at 10 p.m. The film, released in 1975, is a remorseless recreation of the Special Court established by the Vichy Government in 1941 for the purpose of giving death sentences to political prisoners accused of minor crimes.

The bustling British Crown Colony of Hong Kong is home for 4,000,000 people, most of them Chinese. Sunday, Jan. 28, at 8 p.m., a new **National Geographic Special** called **Hong Kong: A Family Portrait**, looks at the way of life of residents in the colony as revealed by the Leong family. The 13-member family makes its living selling such diverse items as beer, plastic flowers, and kites to crews of merchant ships and to people who make their homes on the water.

The Energy War, a three-part report on one of the longest, most heated legislative battles in Washington's memory, begins Sunday, Jan. 28, at 10 p.m. The five-hour special, chronicling the 18-month struggle over President Carter's energy plan, focuses on the fight in the U.S. Senate over the natural gas bill, which was at the center of the plan. Parts 2 and 3 of the report can be seen at 9 p.m. on Monday, Jan. 29, and Wednesday, Jan. 31.

Monday, Jan. 29, at 10:30 p.m., public television celebrates the artifacts of Egypt's famous boy king with highlights from the current exhibition of **The Treasures of Tutankhamun**.

Jeannette Lasansky, author of *Made of Mud: Stoneware Potteries in Central Pennsylvania 1834-1929*, and Bruce Bechdel, curator for the Clinton County Historical Society, are the guests in **Talkabout**, Tuesday, Jan. 30, at 7:30 p.m. They discuss the work of regional potters using stoneware examples from Lock Haven's Heisey Museum Collection.

The Birth of the Bomb, Wednesday, Jan. 31, at 8 p.m., uses archive film previously classified as top secret to chronicle the development and testing of the first atomic bombs, from a squash court in Chicago to a hillside in Norway.

Committee to the President and are the faculty representatives to the Board of Trustees. These are important functions which I should like to take up separately in another article.

Lee W. Saperstein

Penn State Intercom

Collegian ads "degrading," President says

President Oswald told about 200 members of the black community on Sunday that six recent advertisements in *The Daily Collegian* were regrettable and degrading, and that he had hoped the *Collegian's* editors would publish a front page apology.

"The racist advertisements run in the *Collegian* on Jan. 23rd were degrading to the University community and most unfortunate," Dr. Oswald said. "It was certainly a bad and regrettable mistake. As representatives of the University administration have said over the past few days, we strongly urge the *Collegian* to make an apology to the black community along the lines suggested by the Black Caucus."

Dr. Oswald made his comments in a forum at which several University administrators met with students, faculty and staff members representing the black community. Held in the Paul Robeson Cultural Center, the meeting was described as a chance for those present to inform administrators of their concerns and to ask specific questions about University policies.

The ads, placed in the "Help Wanted" section of the *Collegian* by a person who gave false identification, were apparently taken from a South African newspaper and were racially discriminatory.

According to the explanation given later by the *Collegian*, the person who placed the ads said he wanted "to measure public response to them."

After the ads appeared, several black leaders demanded a page one apology. The *Collegian* printed an apology in its Classified Advertising section, but refused to publish it on the front page, citing the distinction between the business and editorial departments of the newspaper.

Asked about the University's role in the matter, Provost Edward D. Eddy said the *Collegian* is an independent organization and that the University has no control over the content of the newspaper. He said University administrators had urged the *Collegian's* editors to print the requested apology. But he added that the issue was closely aligned to the question of freedom of the press.

"I feel it's extremely important that on a free university campus we have a free press," Dr. Eddy said.

Dr. Oswald and Dr. Stanley O. Ikenberry, senior vice president for administration, said they are assembling a group to study the campus environment for blacks and other minority group members at Penn State. Dr. Oswald noted that a number of committees exist to examine civil rights-related questions, but that each was established for specific reasons. The new group, he said, would be "a broadly-based group" and have responsibility to take a comprehensive look at the general environment of the University.

In response to questions about the numbers of black faculty and staff members at Penn State, William A. Asbury, Affirmative Action officer, said that Penn State has only 12 black teaching faculty members, largely because there are few black Ph.D.s in the areas currently being recruited.

Following the opening of Penn State's
(Continued on page 3)



Lone cross-country skier braves the ice.

Photo by Robert Vitri

Outstanding alumni chosen for Spring visit

Seven outstanding graduates of the University have been designated as the 1979 Alumni Fellows.

They will visit the University during Spring Term to meet both formally and informally with students, faculty and administrators.

Those selected include:
Oliver Smith '39, theatrical designer and producer, College of Arts and Architecture.

Paul B. Barton '52, geologist, U.S. Geological Survey and member National Academy of Sciences, College of Earth and Mineral Sciences.

Arthur Nesbitt '50, president, Nasco International, Inc., College of Agriculture.

Ruth J. Holden '59, inventor of the

Phonic Ear and Phonic Mirror and founder of H.C. Electronics, Inc., an international company involved in the manufacture of speech and hearing instrumentation, College of Education.

G.G. Michelson '45, senior vice president of Macy's, in charge of personnel, labor and consumer relations, College of the Liberal Arts.

Ralph Peters '48, president of Berger Associates, the 13th largest architect/engineering/planning firm in the United States, College of Business Administration; and

Joseph Kriss '39, professor and director, Division of Nuclear Medicine, Stanford University School of Medicine, College of Medicine.

Dental coverage begun; check your deduction

Regular full-time faculty and staff members of the University received coverage under the University's dental expense program on Jan. 1. Prior to that date, they were given an opportunity to enroll their eligible dependents.

Persons who did not enroll their eligible dependents now have coverage for themselves only. Eligible dependents not enrolled during the initial period may still be enrolled at any time in the future, but they will have a three-month waiting period for basic dental procedures (two years for major dental procedures) from the date a Request for Change form is received in the Employee Benefits

Division. Newly acquired eligible dependents may have immediate coverage, provided they are enrolled within 31 days from the date they become dependents.

Deductions have already been made from salary checks of those who elected to have eligible dependents covered. The first biweekly \$2 deduction was taken on Jan. 26, and the first monthly deduction of \$4.33, on Jan. 31. The deduction appeared in the "Hospital" section of the check stub and was combined with any deduction already being made for Hospital/Surgical/Major Medical dependent coverage.

There was no dental deduction for

Faculty Senate to receive eight reports

The University Faculty Senate is scheduled to receive eight reports at its Tuesday, Feb. 6, meeting at 1:10 p.m. in Room 112 Kern Building.

The committees and their reports are:
— Academic and Athletic Standards will present a review of exceptions or waivers to various student policies granted from June 1978 through early January 1979. The committee received 240 petitions during that period and granted 220.

— Admissions, Records and Scheduling, summarizing its actions on petitions for reinstatement to degree candidacy, notes that between May 5, 1978, and Jan. 9, 1979, it reviewed 175 petitions and granted 173.

— Committees and Rules has two reports. The first proposes an amendment to the Senate Constitution redefining the provision for student membership in the Senate in order to include representation from the College of Medicine. The second is an informational report describing the procedures governing attendance by Senators, resignations and exception requests.

— Extended Degrees has prepared an informational report on extended degree review guidelines, which appears on page 4 of this issue.

— External Affairs will present an oral report on the University's Office of Publications.

— Student Affairs, Awards and Scholarships has prepared a report on student housing, posing the question: What does housing really have to do with academic development? The committee points to a study on this subject by Dr. M. Lee Upcraft and Patricia C. Peterson of Residential Life Programs, showing that students who live in residence halls are more apt to return for their sophomore year and tend to earn higher grade point averages than students living off campus. The report also discusses housing conditions at University Park and the Campuses and in State College.

— Undergraduate Instruction is presenting an informational report to help clarify retention and transfer guidelines in instances where admission to a program is being restricted. INTERCOM will carry portions of this report in its Feb. 8 issue.

— The Elections Commission has completed a census of faculty to determine the number of members to be elected to the 1979-80 Senate. There will be 206, a decrease of one from last year. The commission has also set up a timetable for Senate elections.

persons who did not cover eligible dependents. Faculty and staff members should audit their check stubs to be certain their deductions are correct.

Faculty and staff members who wish to have eligible dependents covered under the dental program in the future may do so by completing the proper form, which may be obtained from their Personnel Representative, Campus Business Manager or the Employee Benefits Division.

1979-80 Leaves of Absence

COLLEGE OF AGRICULTURE

Sidney E. Barnard, professor of food science extension, to prepare handbooks dealing with milk flavor and quality to be used by the dairy industry and educational institutions throughout the U.S.

John E. Baylor, professor of agronomy extension, to prepare for the 14th International Grassland Congress as co-chairman of the Organizing Committee and to revise the Forage Handbook, which is used by livestock producers and other agricultural leaders throughout Pennsylvania.

E. Alan Cameron, associate professor of entomology, to work with scientists at the Swiss Federal Institute of Technology to gain an understanding of studies relating to population manipulation and management of forest insects, specifically the gypsy moth.

Russell J. Hutnik, professor of forest ecology, to study approaches to land reclamation being used in other parts of the world.

B. Wayne Kelly, farm management Extension specialist, Agricultural Economics and Rural Sociology, to develop educational materials dealing with retirement and estate planning, as well as work toward qualification as a certified financial planner.

Alan A. MacNab, associate professor of plant pathology, to co-author a new edition of the text, *Vegetable Diseases and Their Control*.

Jack C. Shannon, professor of horticultural physiology, to work with Dr. Jack Priess, a world leader in carbohydrate enzymology, at the University of California.

COLLEGE OF ARTS AND ARCHITECTURE

Mark Hessel, associate professor of art, to develop photographic prints in Puerto Rico and participate in a workshop at the Visual Studies Workshop in Rochester, N.Y.

Gerald Lang, associate professor of art, to combine work from a previous exhibition, "Photography: The Selected Image," with additional study to broaden the diversity of photographic vision and examine practices of living masters of photography.

Archibald L. Smith, associate professor of theatre arts, to conduct study and evaluation of professional acting schools in New York.

David L. Young, professor and head of landscape architecture, to investigate site design and detailing in planning mobile home units, focusing on image enhancement of mobile homes and on site selection and planning details as applied to disaster and emergency housing facilities.

BEHREND COLLEGE

Roland E. Larson, associate professor of mathematics, to attend a seminar on topology at the University of West Virginia and develop research on a new population projection model.

COLLEGE OF BUSINESS ADMINISTRATION

Stewart W. Bithner, professor of marketing, to investigate current practices in strategic planning among leading international companies in Europe, U.S. and the Far East.

G. Edward Philips, professor of accounting, to conduct research on the theoretical appropriateness and the feasibility of implementing a system of financial reporting based on current replacement values of assets.

Paul H. Rigby, professor of business administration, to develop empirical indicators of program output in the health care field with particular emphasis on providing information for governing bodies.

CAPITOL CAMPUS

Mihailo Dordevic, professor of humanities and literature, to study in Washington, D.C., Paris and England to complete translations of Serbian poetry and to plan extensive study on *Serbian Poetry Between 1900 and 1930*.

Harold L. Gilmore, professor of management, to hold the first Reliability and Maintainability Chair in France at the Universities of Compiegne and Paris VI.

Wesley G. Houser, associate professor of engineering, to serve as a consultant on electronic design projects in several industrial firms, specifically with the York Air Conditioning Company.

THE COMMONWEALTH CAMPUSES

Dennis F. Brestensky, associate professor of English, Fayette, to compile Volume Two of *Patch/Work Voices*, a collection of the coal mining lore and culture of southwestern Pennsylvania, to create a slide/tape program on the company store in coal mining towns, and to conclude work on an anthology of mining literature.

James J. Deploy, associate professor of biology, York, to participate in enzyme research at Johns Hopkins University.

Stanley D. Furrow, assistant professor of chemistry, Berks, to study oscillating chemical systems and, in particular, the Briggs-Rauscher system under Dr. Richard Noyes at the University of Oregon.

Lawrence B. Golden, associate professor of physics, Worthington Scranton, to study the excitation and ionization of complex ions due to electronic impact.

Porter W. McDonnell Jr., associate professor of engineering, Mont Alto, to gather information which will lead to the writing of a textbook entitled *Coordinated Land Surveys*.

Edward S.J. Tomesko, associate professor of chemistry, Delaware County, to perform research in the chemical and physical nature of biological membrane at the Johnson Research Foundation of the University of Pennsylvania.

Theodore T. Ziegenfuss, associate professor of biology, New Kensington, to study at the Genetics Center of North Texas State University.

COLLEGE OF EARTH AND MINERAL SCIENCES

Alistair B. Fraser, associate professor of meteorology, to combine field work with study at the National Center for Atmospheric Research to obtain atmospheric refraction data to aid in the planning and production of a NOVA-type television film on several spectacular atmospheric optical phenomena.

H. Reginald Hardy Jr., professor of mining engineering, to study stability analysis of underground storage of liquids and pressurized gas, behavior of rock salt as a storage medium and microacoustic monitoring of underground vaults at the Technical University of Aachen, Germany.

Richard R. Parizek, professor of hydrogeology, to investigate progress in mine planning, design, operation and environmental reclamation activities at leading European hydrogeological and coal research centers.

COLLEGE OF EDUCATION

Henry C. Johnson Jr., professor of education, to research the alleged preponderance of the social-behavioral sciences, Darwinism, and secularization in American educational policy and its interpretation.

Ronald L. Koble, associate professor of industrial arts education, to take advanced study in vocational education as a planned program of professional retraining.

Alice M. Schwartz, professor of art education, to produce video tapes in art education for exhibit and use in instructional programs.

Helen I. Snyder, associate professor of educational psychology, to test Penn State and California State College students to measure growth of understanding of key concepts emphasized in general or liberal education requirements.

Donald J. Willower, professor of education, to synthesize previous research dealing with the school as a social organization.

COLLEGE OF ENGINEERING

Leslie E. Cross, professor of electrical engineering, to study at two recognized centers of theoretical work in ferroelectricity, the Problem Laboratory for Ferroelectrics at Riga, USSR, and the Physics Department of the Academy of Sciences, Prague, Czechoslovakia.

Robert E. Henderson, associate professor of mechanical engineering, to study surface ship hydrodynamics and towing tank experimental techniques at the Netherlands Ship Model Basin, Wageningen, and to visit European laboratories to learn from their experience in the fluid mechanics and design of hydroelectric turbines for generating electric power from small existing flood control dams.

Barnes W. McCormick, professor and head of aerospace engineering, to conduct research in propellers and helicopters, as well as investigations relating to high-lift devices at the NASA Langley Research Center.

John S. Nisbel, professor of electrical engineering, to study electric fields in the middle atmosphere at the University of Kharkov, USSR, and to work at the Goddard Space Flight Center on currents and electric fields in the shock region where the solar wind interacts with the magnetosphere of the Earth and the planets Mars and Venus.

COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Dorothy V. Harris, professor of physical education, to visit the various Olympic training sites and gather data from elite athletes while assisting in the development and implementation of psychological services for them.

COLLEGE OF HUMAN DEVELOPMENT

Louise Century, professor of home economics education and human development, to pursue interest in family economic issues and public policy and in professional issues in human development.

Robert M. Griffin Jr., associate professor of environmental planning, to further develop the theoretical constructs and to improve the measures of predisposition to control and seek support from the environment.

Ted L. Huston, associate professor of human development, to collaborate with researchers at the University of California in the development of a conceptualization and research emphasis on the development of close relationships.

UNIVERSITY LIBRARIES

Charles W. Mann, chief, Rare Books and Special Collections, and professor of English, to complete a book on the photographic coverage of the Great Exhibition of 1851.

COLLEGE OF THE LIBERAL ARTS

Charles D. Ameringer, professor of Latin American history, to investigate the reorganization and modernization of the New Honduran Liberal Party, 1950-1970, with implications for development of modernization without extremism in Honduras and similar countries.

Philip Baldi, associate professor of linguistics, to prepare a book on the abstractness of language rules and historical change.

Gerard J. Braul professor of French, to prepare a book on the Franco-American heritage in New England and the French Canadians who began to settle there in the 17th century.

Edward C. Budd, professor of economics, to study size distribution of income in the U.S. States, in conjunction with the Bureau of Economic Analysis of the U.S. Department of Commerce, to establish a superior annual data series on income distribution from 1972 forward.

W. Edward Craighead, associate professor of psychology, to prepare articles and co-edit a book on the causes and cognitive treatments of depression.

Ernst A. Ebbinghaus, professor of German, to complete a new edition of *Gotische Grammatik* (Gothic Grammar) for publication in 1980, including changes in this medieval biblical language resulting from new findings on Wulfila's alphabet which it uses.

Gerald G. Egger, professor of American history, to prepare a book reconstructing Harrisburg society between 1850 and 1900, utilizing census data, archival materials, and quantitative analysis.

James Eisenstein, professor of political science, to study the criminal justice systems in rural jurisdictions in several counties in several states, including Pennsylvania, to ascertain the effectiveness of the application of justice.

George M. Enten, associate professor of history, to study the Soviet historian, E. Iaroslavski, who became embroiled in political struggle in the USSR in the 1920s and 1930s, showing how historiography has been used in the Soviet political system.

Paul M. Harrison, professor of religious studies, to work on a book (already in progress) on social ethics based on symbolic interaction in theology dramatically acted out in society.

Teh-wei Hu, professor of economics, to study the effects of collective bargaining on faculty salaries and compensation in U.S. universities with the impact on various ranks and other implications for higher education.

Robert N. Hudspeth, associate professor of English, to complete an edition of the letters of Margaret Fuller, 19th century literary critic and

feminist, which will shed light on contemporaries such as Elery Channing, Ralph Waldo Emerson, and Horace Greeley.

Craig R. Humphrey, associate professor of sociology, to analyze the consequences of growth-oriented and nongrowth-oriented policies on the actual development of four Pennsylvania towns.

Michael Kiernan, associate professor of English, to do research on the critical commentary on the essays of Francis Bacon, from the 16th century to the present, to complement the critical edition of Bacon's Essays already completed.

Isabel F. Knight, associate professor of history, to examine the writings of German, French, English and Swiss authors in order to establish the origin and development of ideas which come together in the early psychoanalytic movement.

David J. Myers, associate professor of political science, to prepare a book and articles on two aspects of Latin America: the viability of pluralist democracy in Latin America and an analysis of the 1978 Venezuelan election.

Glyn P. Norton, associate professor of French, for a study of pedagogy and French Renaissance theories of language relating to contemporary investigations of French language and literature.

Roland J. Pellegri, professor and head of sociology, to analyze and synthesize research on organizational innovations drawn from some 2,500 studies and articles on work conditions and behavior in organizations and professions in different institutional settings.

Robert G. Price, associate professor of philosophy, to prepare a series of related articles for a book on the philosophical foundations of ethics, which can be applied to grave problems caused by recent developments in science and technology.

James D. Rodgers, professor of economics, to survey research on income, inequality, and poverty to be published as a book with selected studies and original contributions from Prof. Rodgers and Prof. Edward Budd.

John B. Smith, associate professor of English, to prepare a book-length study of computer-associated examinations of literature to demonstrate how they may assist the critical perspectives of the literary scholar and aid in the development of literary theory.

Larry D. Spence, associate professor of political science, to prepare a book on the study of politics and technology based on 19th and 20th century studies dealing with technology as a concept of growing importance in American political literature.

Henry T. Sturcken, professor of Romance languages, to prepare a book on 14th century Iberia describing the historical characteristics of Castile, Aragon and Portugal in this period.

David L. Webster, assistant professor of anthropology, to work on an archaeological research project which will include field study and mapping of early Mayan settlements in northeastern Yucatan for publication of studies of this early Meso-American civilization.

David L. Weatly, associate professor of sociology, to study three fundamental developments in sociological theory to establish ways in which they generated reformulation and progress in sociological analysis.

Carlos Zamora, assistant professor of Spanish, to write a book, "Ideology and Artistry: The *Novela Social* of Pre-Civil War Spain," that examines notions of this period which reflect social struggle in rural and urban settings prior to the outbreak of the Civil War in 1936.

COLLEGE OF MEDICINE

John W. Burnside, associate professor of medicine, chief, Division Internal Medicine, to serve as a Health Policy Fellow, sponsored by the Robert Wood Johnson Foundation, participating in the activities of various branches of the federal government involved in health planning.

K. Danner Clouser, professor of humanities, to write in the field of philosophy of medicine.

Howard E. Kulin, associate professor and chief, Division of Endocrinology, to study the manner in which human and primate development in groups of normal and underfed Kenyan adolescents in order to further understanding of how caloric deprivation may directly affect fertility.

Richard C. Rose, associate professor of physiology and surgery, to study the gallbladder function to determine if the ions, sodium potassium and chloride, are actively transported

(Continued on page 4)

University Park Calendar

Feb. 1-11

Special Events

Thursday, Feb. 1

Graduate Commons sci-fi film, *Forbidden Planet*, 7 and 9 p.m., Room 112 Kern.

Friday, Feb. 2

Deadline for applying for 1979-80 Graduate School Program Fellowships.
Interfaculty Council Dance Marathon, 6 p.m.-6 p.m. Sunday, White Bldg. Main Gym.

Graduate Commons sci-fi film, *Invasion of the Body Snatchers*, 7 and 9 p.m., Room 112 Kern.

Sports: men's gymnastics, vs. Indiana State, 8 p.m.

Artists Series, Pittsburgh Symphony Orchestra, Leonard Slatkin, conductor, with Nathaniel Rosen, 'cellist, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 3

Sports: women's fencing, vs. James Madison, Temple and California (Pa.), 10 a.m.; women's gymnastics, vs. Indiana State and Massachusetts, 8 p.m.

Artists Series, Pittsburgh Symphony Orchestra, Donald Johano, conductor, concert for young audiences, 10:30 a.m.; Pittsburgh Symphony Orchestra, Leonard Slatkin, conductor, with Nathaniel Rosen, 'cellist, 8:30 p.m., Eisenhower Auditorium.

Graduate Commons, sci-fi film, *Invasion of the Body Snatchers*, 7 and 9 p.m., Room 112 Kern.

Sunday, Feb. 4

University Chapel Service, 11 a.m., Eisenhower Chapel. Joseph Faulkner, sociology, will speak.

Jazz Festival 1979. Paul and Velma, 2 p.m., HUB Main Lounge.

Shaver's Creek Nature Center, "The World of Frozen Water," 2 p.m., Stone Valley.

Sports: men's basketball, vs. Villanova, 2:10 p.m.

Blues and Gospel Concert, with John Jackson, The Orchids, Jerry Zolten and Richard Sleight, 8 p.m., Room 102 Kern.

Monday, Feb. 5

France-Cinema, Wim Wenders, *Kings of the Road*, 7 p.m., Room 112 Kern.

Sports: women's basketball, vs. Maryland, 7 p.m.

Interdisciplinary Symposium on Value, "Curriculum Integration in the New BDR," panel discussion, 7:30 p.m., Room 101 Kern.

Women's Forum, Audrey Rodgers, English and American literature, discusses the Lesley Hazleton book, *Israeli Women: The Reality Behind the Myth*, 7:30 p.m., Walnut Bldg.

UCC Concert, Pat Metheny (jazz concert), 8 p.m., Eisenhower Auditorium.

Tuesday, Feb. 6

Fixed date for meetings involving Commonwealth Campus faculty.

Red Cross Bloodmobile, 10 a.m.-3:45 p.m., HUB Ballroom.

Jazz Festival 1979. Workshop with Art Goldstein, noon, HUB North Lounge. Stevie Wonder videotape, 7 p.m., HUB Gallery Lounge.

Comp Lit Luncheon, 12:15, talk, 1 p.m. Hotel State College. Harrison Meserole, English, on "The Shakespeare Cumulative Bibliography, 1958-1978."

University Faculty Senate meeting, 1:10 p.m.

Room 112 Kern.

History Colloquium, 2:30 p.m., Room 101 Kern.

Robert K. Murray, history, on "Floyd Collins and America's Greatest Rescue Story."

Sports: women's swimming and diving, vs. Maryland, 3:30 p.m.

Shakespeare film, *Scrofuld, King Lear*, 6:30 p.m., Room 101 Chambers Free.

Comp. Lit. Film Series, Joseph Losey, *A Doll's House*, 7 and 9 p.m., Room 112 Kern.



Pittsburgh cellist Rosen and medal he won last summer in Moscow.

Artists Series film, Joseph L. Mankiewicz, 1955, *Guns and Dolls*, 8 p.m., Schwab

English Colloquium, 8 p.m., Room 101 Kern.

Joan Del Fattore, graduate student, on "Jungian Archetypal Criticism: A New Approach."

Archaeological Institute of America Lecture.

Donald Thompson, anthropology, University of Wisconsin, on "On the Path of the Inca," 8:15 p.m., HUB Assembly Hall.

Wednesday, Feb. 7

Late drop deadline.

Last day for signing Winter Term NDLS and University Long Term Loans, Room 108 Shields.

Red Cross Bloodmobile, 10 a.m.-3:45 p.m., HUB Ballroom.

Shakespeare film, *Scrofuld, King Lear*, 6:30 p.m., Room 101 Chambers Free.

E&MS Student Council Seminar, Charles L. Hosler, dean, College of Earth and Mineral Sciences, on "Solar Energy," 7 p.m., Room 12 Walker.

France-Cinema, *Kings of the Road*, 7 p.m., only, Room 112 Kern.

Musica da Camera, benefit concert for their Polish Tour, 7:30 p.m., Museum of Art. Ticket information, 865-0431.

Thursday, Feb. 8

Jazz Festival 1979. Appalachian Swing Quartet, noon, HUB North Lounge. PSW Jazz Band Concert, 8 p.m., HUB Ballroom.

Japanese Language and Literature films.

"Kyoto," "Confections," "Japan Newly Discovered," "Bagueta - Court Dances and Music" and "Markie Gold Lacquer," 3:50-5:35 p.m., HUB Assembly Hall. Free.

Dept. of Classics/Theatre Arts, free film, Tyrone Guthrie, *Oedipus Rex*, 7:30 p.m., Room 102 Forum.

Colloquy Lecture, Art Buchwald, 8 p.m., Rec. Bldg. Free.

University Theatre, Gilbert and Sullivan, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Friday, Feb. 9

Jazz Festival 1979. Workshop with Matrix, 2 p.m., HUB Ballroom; Matrix Concert, 8 p.m., Eisenhower Auditorium.

Faculty Women's Club Winter Dinner, 6:30 p.m., Elk's Country Club.

France-Cinema, *Kings of the Road*, 7 p.m., only, Room 112 Kern.

SFO film, *The Last Detail*, starring Jack Nicholson, 7, 9 and 11 p.m., Room 102 Forum.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Penn State Brass Chorus, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Feb. 10

Sports: women's fencing, vs. Jersey City State, 10 a.m.; men's and women's bowling, vs. Drexel, 1 p.m.; men's fencing, vs. Navy, 1 p.m.; women's swimming and diving, vs. Slippery Rock, 1:30 p.m.; women's basketball, vs. Cheney, 2 p.m.; men's basketball, vs. Navy, 2:10 p.m.; men's volleyball, vs. Rutgers - Newark, 7 p.m.; wrestling, vs. Lehigh, 7:30 p.m.

Jazz Festival 1979. Jazz dance workshop, 1 p.m., Room 132 White Bldg.; workshop with Bill Lewis, 2 p.m., HUB Ballroom. Bill Lewis Concert, 8 p.m., HUB Ballroom.

Friends of India Film, *Koshish*, 6:30 p.m., Room 101 Chambers.

France-Cinema, Philippe De Broca, *Dear Inspector*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sunday, Feb. 11

University Chapel Service, 11 a.m., Eisenhower Chapel. John Wenzke, Lutheran Student Parish, speaker.

Sports: men's bowling, vs. Penn State - Capitol, 1 p.m.

Commonplace Theatre, *Fantastic Animation Festival*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Mummenschautz, mime, 8:30 p.m., Eisenhower Auditorium.

Seminars

Friday, Feb. 2

Analytical Chemistry, J. Reich, graduate student, on "Protein Binding Capacity by Charcoal Titrations," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Gerd M. Rosenblatt, chemistry, on "Raman Scattering as a Flame Temperature Probe," 4 p.m., Room 333 Whitmore.

Monday, Feb. 5

Electrical Engineering, John Martin, MOS Technology, Rockwell-Controls, Newport Beach, Cal., on "Future Trends in Very Large Scale Integration, VLSI Technology," 4 p.m., Room 329 EE East.

Tuesday, Feb. 6

Biochemistry and Biophysics, J. Wicken, biochemistry, Behrend, on "Thermodynamics of Molecular Evolution," 11:10 a.m., Room 101 Althouse.

Biology, Louise H. Emmons, research associate, on "Community Structure of Tropical Mammals, or Why Are There So Many Squirrels in Africa?" 11:10 a.m., Room 8 Mueller.

Food Science, Bernard Eluvewewere, graduate student, on "Effect of Temperature on the Color, Lycopene and Carotene Content of

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Ripened Tomatoes," and Silvia Mayer, graduate student, on "Post-Harvest Degreening of Citrus," 11:10 a.m., Room 303 Barland.

Research Applications of Computers, Ingrid B. Carlom, Brown University, on "System Architecture for High-Performance Vector Graphics," 1 p.m., Room 325 Whitmore.

Water Pollution Control, Albert C. Gray, Garnett, Fleming, Cordary and Carpenter, Harrisburg, on "Operational Factors Affecting Operation of Biological Treatment Plants," 2:20 p.m., Room 271 Willard.

Physics, Michael Isaacson, University of Chicago, on "Can a Physicist Find True Happiness with an Electron Microscope?" 3:50 p.m., Room 117 Osmond.

Plant Pathology, Jeff Morrell, graduate student, on "Determining Retreatment Schedules for Wood Products in Service," 3:55 p.m., Room 213 Buckhout.

Thursday, Feb. 8

Chemistry, Julius Rebek, University of Pittsburgh, on "Recent Studies in Mechanism," 12:45 p.m., Room 333 Whitmore.

Anthropology, Robert B. Eckhardt, anthropology, on "The Lohagan Jaw and Human Origins," 3:30 p.m., Room 101 Kern.

Geosciences, Hans Eugster, The Johns Hopkins University, on "A Model for the Deposition of Cornwallite-Type Magnetite Deposits," 3:45 p.m., Room 22 Deike.

Interactive Computing Requirements, Raff Ellis, University of Pittsburgh, on "The Development and Use of Interactive Computing at the University of Pittsburgh and the Overall Direction of Computing in the University Environment," 7:30 p.m., Room 111 Forum.

Friday, Feb. 9

Analytical Chemistry, W. Brattlie, graduate student, on "Enzymatic Enthalpimetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Mack Morrison, graduate student, on "The Photo-Oxidation of Formaldehyde," 4 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open Monday and Wednesday, 9 a.m.-3:30 p.m., Tuesday, 9 a.m.-1 p.m., and by special appointment 865-3853. North African ceramics

HUB Gallery: The Works of Richard Alden, PSU, architecture, through Feb. 4. Black Experience exhibit, Frank Smith, Howard University, paintings.

Kern Commons Gallery: Contemporary Photographers VI, 50 recent additions to the permanent collection of the George Eastman House.

Museum of Art: open noon-5 p.m. daily, closed Mondays. Free tours, Sunday, 1:30 p.m. Watercolors and drawings from the permanent collection: William Dole, a retrospective exhibit of collections, 1958-1978.

Pattee Galleries: Exhibition on the Black Experience. Rare Books Room, Foyer.

Robeson Cultural Center: Exhibition on the Black Experience.

Zoller Gallery: Graduate students' show, "Why We Do What We Do," through Feb. 4.

Collegian ads

(Continued from page 1)

Community Centers in Pittsburgh and Philadelphia, Dr. Oswald said, the enrollment of black students has increased three years ago, black enrollment in the total University was about 980, he said, and last year it was roughly 1,250.

Also discussed were financial aid for minority groups, funding for black study lounges and other facilities, and the University's investments in corporations with South African ties. Robert Allen, a graduate student and member of the Penn State Coalition Against Apartheid, read a statement calling for an aggressive effort by the University against the apartheid system.

Staff Vacancies

The following vacancies for positions classified as staff exempt from staff nonemployment have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1887 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 8, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

INFECTIOUS DISEASE PROGRAM COORDINATOR - COLLEGE OF MEDICINE, Hershey

Responsibilities include checking for infection within the Hospital, also the summarizing and preparing reports on such infections. RN with current license to practice professional nursing in Pennsylvania or a degree in medical technology with ASCP registration or equivalency and one to two years of directly related experience.

RESEARCH AIDE - COLLEGE OF AGRICULTURE, University Park

Observe and collect data from department research projects, such as overseas egg collection, genetic classification of chicks, etc. Perform technical procedures, such as artificial insemination, pedigree charting, classification of chicks, etc. maintain records of procedures performed. Examine data for accuracy and prepare data for submission to computer; summarize raw data or computer print-outs. An associate's degree, or equivalent, in zoology, animal industry or biology; plus six months of directly related laboratory experience; or a bachelor's degree, or equivalent, in the above with less experience required.

Women's Forum to meet

Dr. Audrey Rodgers, associate professor of English and American literature, will discuss "Israeli Women: The Reality Behind the Myth," by Lesley Hazleton, at a meeting of Women's Forum of State College at 7:30 p.m., Monday, Feb. 5, in Walnut Building.

The Forum meets monthly to hear programs and discuss issues of particular concern to professionals in the community and on campus. Persons interested in Forum membership are welcome to attend.

In March, Dr. Rosemary Schraer, assistant provost, will moderate a panel on Women in Science. Dr. Rodgers and Dr. Schraer are members of the Forum steering committee, which also includes Barbara Claster, Dorothy Harris, Zena Beth McClashan, Kay Moore and Norma Raffel.

Penn Staters

Dr. Robert A. Bernoff has been named acting director of the Ogontz Campus, pending appointment of a successor to Charles J. Smith who retired Jan. 1.

A member of the Ogontz Faculty since 1962, Dr. Bernoff is professor of science and general chemistry. In 1977 he received the Campus's Outstanding Teaching Award. He has chaired or served on many faculty/staff advisory committees and is currently a member of the University Planning Task Force for the 80s.

Dr. Bernoff earned both his undergraduate and graduate degrees at Temple University.

Dr. Inyong Ham, professor of industrial engineering was one of two honored guests invited to participate in the 59th annual convention of the Institution of Engineers (India), which was held at Bangalore, India, between Jan. 5 and 11. The Institution of Engineers in the world's largest engineering society.

Dr. Ham also presented two three-day seminars on "Applications of Group Technology for Higher Manufacturing Productivity" at Bangalore and Kanpur, sponsored by the Institution of Engineers and the Indian Institute of Technology-Kanpur. In addition, he delivered the Institute Lecture, "Horizons of Manufacturing Sciences," at IIT-Kanpur.

Gifford H. Albright, professor and head of the Department of Architectural Engineering, has been appointed by GSA Administrator Jay Solomon, to serve as a member of the General Services Administration's Region 3 Public Advisory Panel on Architectural and Engineering Services for the calendar year 1979. Region 3 includes the Middle Atlantic States and the District of Columbia. Public Advisory Panels are staffed by architects and engineers from the private sector. Among Prof. Albright's duties will be to propose a slate of qualified firms to receive commissions for the design of new federal construction; to review and advise the region on the acceptability of conceptual designs; and to review GSA design standards, criteria, guides, and procedures.

Joseph L. Cavinato, associate professor of business logistics, has recently been appointed director of education of The American Society of Traffic and Transportation. He will direct a 34-member panel which is responsible for preparing the Society's twice yearly national examination series.

Charles Joseph Noll, associate professor of olericulture, was honored with an Award of Merit from the Northeastern Weed Science Society at its 33rd annual meeting in Boston. One of the charter members of the organization, Prof. Noll has served on the Executive Committee as well as chairing the Research Coordinating Committee.

Search group named

An Advisory Search Committee for the position of Director at the Worthington Scranton Campus has been appointed by President Oswald to assist him in identifying candidates.

The committee members from Worthington Scranton Campus are Fred Mancuso, assistant professor of engineering, chairman, Michael Barendse, assistant professor of sociology, Lawrence Golden, associate professor of physics; and Joseph Kreta, Student Government Association president.

Other members are William David, director of the Hazleton Campus; Theodore Kiffer, director, General Education Program; Carole Leland, dean, College of Human Development; and C. Edward Philips, professor of accounting.

Applications and letters of nomination should be directed to Robert Quinn, Room 111 Old Main, University Park, PA 16802 by Feb. 15.

Leaves

(Continued from page 2)

and whether the transport is from bile to cells or from cells into the blood.

William W. Willard, associate professor of family and community medicine, to study how the family functions as a system, and how family physicians might utilize such information in delivering more effective family centered health care to individuals as well as to family units.

COLLEGE OF SCIENCE

Christine W. Ayoub, professor of mathematics, to conduct research in the general area of groups and rings.

Stephen J. Benkovic, Evan Pugh Professor of chemistry, to research in the departments of biochemistry and chemistry at Stanford University.

John J. Docherty, associate professor of microbiology, to study production of pure virus proteins as a standard that could be matched with proteins on the cell membrane of cancerous cells.

William A. Dunson, professor of biology, to study permeability aspects of reptilian skin with Dr. David Evans of the University of Miami and at the South Florida Research Center at the Everglades National Park of the U.S. Department of Interior.

William L. Harkness, professor and head of statistics, to do research on the analysis of contingency tables (cross-classified data) at Stanford and Harvard Universities.

Richard Herman, professor of mathematics, to work in the general area of operator algebras.

Emerson Hibbard, professor of biology, to study neural specificity and plasticity in the avian nervous system with Dr. Richard Mark at the Australian National University at Canberra.

Theodore M. Hollis, associate professor of biology, to study assessment of intravascular stress and the quantification of aortic reactions to these stresses with Dr. Donald Fry at the National Heart, Lung and Blood Institute of NIH and metabolic mechanisms responsible for altered blood vessel wall properties with Dr. Barry S. Gow of the University of Sydney, Australia.

Walter W. Karakawa, associate professor of biochemistry, to do research with Drs. Robbins and Rapp at the National Institutes of Health, Bethesda, Md., on several aspects of his current immunological work.

Gerd M. Rosenblatt, professor of chemistry, to study in four principal research laboratories in the world which are devoted to the study of surfaces.

Maurice Shamma, professor of chemistry, to isolate and determine the structures of potential anti-cancer agents, gathering rare plants in the southern hemisphere from which to isolate new chemicals.

Thomas A. Wiggins, professor of physics, to study at the Weapons Laboratory, Kirtland Air Force Base, New Mexico, in non-linear optics.

Incas are subject of archaeology lecture

"On the Path of the Inca" is the title of a talk to be presented at 8:15 p.m. on Tuesday, Feb. 6, in the HUB Assembly Room. The speaker is Dr. Donald Thompson, a member and former chairman of the anthropology department of the University of Wisconsin.

Dr. Thompson received his Ph.D. from Harvard, where he was awarded a Fulbright Hays Fellowship to participate in a program of archaeological research on the coast of Peru.

His talk, which will be illustrated with slides, is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

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A Senate Report

Principles and Purposes Governing Reviews of Extended Degree Programs

Original Senate legislation on external degrees (June 5, 1973), approved by the Faculty Senate and the Provost, requires all extended degree programs offered by Colleges of the University to be reviewed periodically. In March 1974, an informational report to the Senate provided guidelines for reviews of external degree programs. The experience of the Committee on Extended Degrees in examining proposal and review documents for extended degree programs suggests that the review guidelines should be revised. New guidelines should specify more clearly the data essential to judging the academic quality and administrative effectiveness of each program. The guidelines should specify the agencies involved in the review process and the sequence of their involvement.

The Committee believes the review process should reflect four basic Senate concerns:

- (1) The review process should not be an unnecessary burden on academic faculty or resources. It should depend primarily on the analysis of readily available data essential to the ongoing monitoring of an extended degree program by the sponsoring college and department. The review guidelines should help sponsoring agencies identify which measures of quality and efficiency must be monitored.
- (2) The gathering and reporting of information in the review process for extended degree programs should parallel as closely as possible the reviews of other comparable undergraduate and graduate programs. Any unique procedures in the review process should reflect the unique elements in extended degree programs. Comparable review processes can help reviewing agencies compare the quality of comparable extended degree and regular programs. They can highlight both the advantages and disadvantages of the distinctive academic and administrative features of extended degree programs.
- (3) The review process should be informative in nature, directed toward providing evidence and recommendations for improving and refining the academic and administrative dimensions of the specific program under review. It should clarify for the sponsoring agency and the Senate Committee if there is any need to recommend new waivers to Senate rules, continue old waivers, or initiate new policies.
- (4) The review process should be viewed as part of a continuing research effort aimed at helping both existing and newly proposed extended degree programs better understand the problems and advantages unique to extended degree programs in general.

Format for Extended Degree Review Reports

- 1. Need for Program**
Include a summary statement of the extent to which the original assessment of the need for the program has been justified by its history. The statement should reflect:
 - A data on the number and character of students served by programs including the number of applications, number of audits, ages, and occupational and other ties to local communities that prevent participation in comparable regular undergraduate and graduate programs.
 - Testimony of students about personal fulfillment made possible by extended degree opportunity.
 - Evidence of demand for graduates.
 - Evidence of what graduates are doing.
 - Evidence of potential to extend program into geographical areas not now being served.
- 2. Program Resources**
Include a summary statement of the extent to which the range, frequency and quality of program offerings are comparable to what is available in a regular undergraduate or graduate degree program and the extent to which the range and frequency of offerings anticipated in the original plan has been realized. The statement should reflect:
 - A review of the program implementation matrix showing growth by term, or annually, the courses available in each requirement category (including BDR and major requirements), the courses actually used to complete requirements, and the number of program students enrolled in each course. (A typical program, if one emerges, would be a useful inclusion.)

- List of course sections offered specifically to meet the needs of this special clientele.
- Number and percentage of extended degree program students in special sections and in sections regularly scheduled.
- Description of any instructional innovations used in the program, including an assessment of their effectiveness.
- Description of essential and available library, laboratory and other learning resources.
- Description of cultural, social, and extracurricular activities available to extended degree students and any evidence that extended degree students participate in what is available.

3. Faculty Resources

Include a summary statement of the extent to which faculty resources provided adequate to program and fulfilled expectations identified in original program proposal. The statement should reflect:

- Evidence of the type and nature of faculty involvement in the extended degree program teaching, advising, program development and management activities. Particular emphasis should be given to involvement of faculty from program area sponsoring the extended degree program.
- Faculty teaching course sections specially offered to meet the needs of students in the program should be identified by degrees, rank, full- or part-time status, and courses previously approved to teach.
- Evidence of consideration of extended degree program staffing needs in instructional planning.

4. Academic and Administrative Support Services

Include a summary statement of the extent to which support services fulfilled the expectations identified in the original proposal. The statement should include:

- A chart showing organizational management and coordination of efforts at all locations supporting the program. Include names and titles of managerial staff.
- History of cooperation between program coordinators and colleges and departments in approving, developing, and staffing of program and courses.
- Description of Counseling Program:
 1. Include printed material explaining opportunities in program.
 2. Describe pre-enrollment counseling.
 3. Describe procedures for admitting, readmitting, registering, scheduling, and transferring students.
 4. Describe continuing advising system.
- How are advisers made aware of opportunities and procedures in the program? Are they expert in the appropriate academic areas?
- Listing of Senate rule waivers in effect. How and how often have the waivers been exercised?

5. Student Enrollment and Performance Patterns

Include a summary statement on student enrollments and academic performances including:

- A listing, year by year, for each location of the number of new enrollments, the number of continuing students (with separate figures for active and inactive students), the number of withdrawals and academic drops, the number graduated, and the time elapsed between enrollment and graduation.
- A breakdown of grade point averages for first-year, continuing, and graduated students.

6. Collected comments from students, participating faculty, program administrators, and appropriate department or program heads about:

- A. The range and quality of available courses.
- B. The quality of instruction.
- C. The availability of essential learning resources.
- D. The adequacy of advising.
- E. The extent to which rules and procedures help or hinder the quality, development, and effectiveness of the program.

7. A statement of plans by program coordinators regarding the future of the extended degree program.

SUBCOMMITTEE ON EXTENDED DEGREE REVIEW GUIDELINES

Judd Arnold, Ch.
Madeline Froke
Eugene Melander
Albert Skomro

Penn State Intercom

Wanted: Lindback nominations

University faculty members and students are being asked to recommend candidates for this year's Christian R. and Mary F. Lindback Award for Distinguished Teaching. Nominating procedures have been changed to broaden the pool of candidates.

The Lindback Award, which consists of a \$1,000 check and an engraved plaque, is presented annually at Spring Term commencement exercises.

Recommendations should be submitted to College Deans and Campus directors. This year, for the first time, the directors will present their nominations directly to the Vice President for Undergraduate Studies instead of to the deans.

To be eligible for nomination for the Lindback Award, a faculty member must:

- Have received tenure.
- Have been employed as a full-time faculty member for a minimum period of five years.
- Devote a major portion of his or her assignment to undergraduate teaching. Members of a research staff, administrators (including department heads) and faculty whose principal teaching responsibility is to graduate students are not eligible.

— Have a number of years to go before retirement. One purpose of the award is to identify superior teachers for the student body.

Each dean and director may submit one nominee.

Among the criteria which they will consider when making their choices are innovative practices adopted by a candidate, instructional materials and new courses developed, major course improvement projects, textbooks written, published journal articles and/or papers presented at professional meetings concerned with teaching, and grants or awards related to teaching. Reactions to the opinions about the candidate's teaching from both faculty colleagues and students are also essential.

Since deans and directors must submit nominations with supporting materials by April 13, faculty members and students are asked to prepare their recommendations by the end of February.

Administrative realignment is announced

An administrative realignment resulting in the formation of two new academic units in the College of Arts and Architecture was announced by Provost Edward D. Eddy last Monday afternoon at a joint meeting of the faculties of the Division of Art and Music Education and the Departments of Art and Music.

"I firmly believe we are re-asserting a strong place in this University for the arts," the Provost told the assembled faculty. "Indeed we are saying that even better programs are desired — better because of the new association of talents and interests."

President Oswald has accepted his recommendation that College of Education faculty in the Division of Art and Music Education be assigned to Arts and Architecture at the earliest possible time, Dr. Eddy said.

Dr. Eddy invited faculty members to help "determine the form, the structure and the measure of leadership necessary to serve your needs — and recognize that there are differences in needs among the four units represented here today Faculty committees must be appointed immediately to explore and advise on the scope and structure."

Dr. Eddy said that two search committees will be authorized to describe the leadership talents required for the two units and to search for and recommend suitable candidates — in conformance with established University procedures — to

Dean Walter H. Walters of the College of Arts and Architecture.

Taking note of previous news reports surrounding discussion of the realignments, Dr. Eddy pointed out:

— All undergraduate and graduate academic programs under the academic sponsorship of the concerned faculty members will continue to be offered to the students currently enrolled, as well as to those who anticipate enrollment in the future.

— All current faculty members will retain their present academic titles and positions. "It is highly important to remember that in all of these deliberations there has never been any intention of terminating tenured faculty members," the Provost emphasized.

— Faculty members in Art and Art Education will be assigned to one unit, as yet unnamed, which will be dedicated to the visual arts and art education. All current faculty members in Music and Music Education will be assigned to a second unit.

There is ample precedent elsewhere in academia for a realignment between art education and art and music education and music, Dr. Eddy pointed out, commenting: "Some of the program reviews further confirmed the desirability. The emerging direction of the University in the tumultuous decade ahead became also a significant factor. In other words, if the jointure could be made to work, it seemed

right academically. And that's where advance planning is at its best: when the reason to act is based not on dollars but on ideas. Our goal continues to be excellence in scholarship."

"Fiscal retrenchment and administrative structural change follow only after academic plans are fashioned."

"I regret therefore that these particular configurations were seen by some primarily as fiscal solutions to the economic problems of one college."

"We would not allow academic changes to take place if this were the only reason for change."

Dr. Eddy took note of the proud traditions in each of the units and said that the University wished to "preserve strength where strength exists and to provide strength where it is lacking."

"This may not mean preserving the status quo," he observed, "because such preservation often leads merely to stagnation."

In concluding, Dr. Eddy expressed his concern that Penn State preserve "the idea of a university — a good, and hopefully great, university which is truly representative of all of the arts and professions, not just those which are transiently popular."

"In such a university," he said, "the arts — and the teaching of the arts — in their various forms are never an enrichment, but always a necessity."

News in Brief

Research proposals asked

Faculty from all University Campuses are invited to submit proposals to the Penn State 1979-80 Research Initiation Grants Program, established to support research and other creative work in the sciences, technology, social sciences, and arts and humanities.

The RIG Program is limited to new faculty on standing appointments and with a service accumulation of two calendar years or less by September 1979.

The 12-month awards will range from \$2,000 to \$5,000 and will be announced following a preliminary screening by the Colleges and final recommendations from

a subcommittee of the Administrative Committee on Research (ACOR).

Call your ACOR dean or Commonwealth Campus director for more information. The proposal deadline is March 7, 1979; awards will be announced by March 26.

Teaching seminar Feb. 15

The final Quality Teaching Seminar presented by the College of Agriculture will be held at 3:30 p.m., Thursday, Feb. 15, in Room 108 Forum Building. The seminar is open to faculty and graduate students in all Colleges.

Dr. Francis M. Dwyer, a senior research associate in the Division of Instructional Services, will discuss "Measuring Success in Teaching."

Neutron activation workshop open to faculty and staff

A two-day workshop on the use of Neutron Activation Analysis will be conducted Thursday and Friday, March 1 and 2, at the Breazeale Nuclear Reactor Facility. The workshop is open to faculty, staff and students who have a desire to learn more about this method of analysis, one of the most sensitive techniques available for trace element identification and qualification.

The workshop will consist of one day of lectures and one day of laboratory experiments to enable participants to become familiar with the instrumentation and facilities available for use at the Breazeale Facility.

There is no charge for this workshop, but those who are interested in attending should contact Dale C. Raupach at 865-6352.

Buchwald to speak tonight

Humorist Art Buchwald will visit the University Park campus under the

auspices of Colloquy to talk at 8 p.m. Thursday, Feb. 8, in Recreation Building. Mr. Buchwald writes a column which is syndicated in some 400 newspapers and is also the author of several books and a Broadway play.

As with all Colloquy programs, admission is free and no tickets are needed.

New phone billing method saving University money

By switching to a new form of telephone billing, the University has been able to save more than \$8,400 a month on telephone costs since September.

The previous system established charges on the total use of a telephone line without recording an account of the calls made. Under the new system — known as Distance Sensitive Billing — all calls are logged in with the number called and the length of the call.

"With the old arrangement there was always the opportunity for misuse," Ralph E. Zilly, vice president for business, said. "With the new system, everyone is held accountable for their calls. Even though the rates are higher under the new system, the number and length of calls have been sizably reduced."

The savings realized during September, October and November will amount to about \$100,000 when extended to a 12-month period, Mr. Zilly added.

\$155,000 in energy expense avoided during 10-day break

The University estimates approximately \$155,000 in energy expense was avoided at University Park during the 10-day holiday break at the end of 1978.

More than \$13,000 per day in costs to produce steam was saved by the decision to lower temperatures and shut off

(Continued on page 4)



Photographer Robert Veltri found beauty in this piece of winter scenery on University's golf course.

Penn Staters

Dr. Parris Chang, professor of political science, testified on Tuesday (Feb. 6) before the U.S. Senate Foreign Relations Committee on the political and economic future of Taiwan.

Dr. Henry S. Albinski, professor of political science, has received a Senior Scholar Fulbright-Hays award. Currently on leave at the Strategic and Defense Studies Center at the Australian National University in Canberra, Dr. Albinski lectured last fall under the auspices of the U.S. International Communication Agency in Korea, the Philippines, Singapore and New Zealand. He also returned to the United States to present a paper on Australian defense policy at meetings of the Military Studies Branch of the International Studies Association at Kiawah Island, S.C., and gave a colloquium at the University of South Carolina.

Dr. Rustum Roy professor of the solid state and chairman, Science, Technology and Society program at the University, represented the National Academy of Sciences at a meeting in Washington, D.C. Feb. 5-7. Dr. Roy was a member of a five-man delegation to the final negotiations and renewal of the agreement for scientific exchange between the U.S. Academy and the Academy of Sciences of the USSR.

Now 20 years old, the program was one of the first such cooperative ventures established between the two countries in the late 1950s. It provides travel grants for anywhere from one month to one year for U.S. and Soviet scientists. Within the past six months, eight Soviet scientists have visited the University's Materials Research Laboratory, directed by Dr. Roy, through the exchange program. Dr. Roy is currently serving his third term as chairman of the National Academy's Committee on Scholarly Exchange with the USSR and Eastern Europe.

Several Penn State faculty members participated in the first joint meeting of the Acoustical Society of America and the Acoustical Society of Japan held recently in Hawaii. John C. Johnson, director of the Applied Research Laboratory and professor of engineering research, spoke on "Education in Acoustics." Jeri Tichy, professor of architectural engineering, discussed "Sound Power Measurements in Reverberation Chambers." Two ARL research associates, Claus P. Janota and Robert D. Marciniak, delivered papers. Janota on "Discrimination Between Similar Sounding Noiselike Stimuli" and Marciniak on "A Nearfield, Underwater Measurement System."

Ulysses Harold Levy has been appointed Affirmative Action Specialist for the University. He will coordinate the University's implementation of the Affirmative Action plan and assist in the resolution of employee grievances involving complaints of discrimination or violation of the University's fair-employment policies. Mr. Levy is a 1974 graduate of Penn State with a B.S. in international relations. Since August 1977, he has served as job developer for the Allegheny County Department of Jobpower, headquartered in Braddock.

Dr. Carol V. Gay, research associate of biophysics, presented an invited seminar last month at the Arthritis Division of the Department of Medicine at the University of Miami. She discussed "Ultrastructural Studies of Matrix Vesicles and Associated Mineral."

Obituary

Harry L. Shamberger died Jan. 26. He was a Continuing Education instructor for the College of Earth and Mineral Sciences, teaching in the mine maintenance mechanics training program. Mr. Shamberger had been employed at the University since Aug. 11, 1977.



Dr. Walter I. Thomas, associate dean of the College of Agriculture and associate director of the Agricultural Experiment Station, retired Feb. 3 with emeritus status.

After 20 years on the Penn State faculty, Dr. Thomas has joined the U.S. Department of Agriculture in Washington. He is now deputy director of cooperative research for the Science and Education Administration.

A native of Elwood, Neb., Dr. Thomas received his B.S. in agronomy and M.S. and Ph.D. in plant breeding and genetics from Iowa State University.

During World War II, he served with the U.S. Marine Corps in the Pacific and received the Navy Commendation Medal. He served as a major in the Korean conflict and was awarded the Bronze Star. He now is a retired colonel in the Marine Corps Reserves.

After teaching agronomy at Iowa State for six years, Dr. Thomas came to Penn State in 1959 as an associate professor of agronomy. He was promoted to professor in 1963, to department head in 1964, and in 1969 became associate dean for research and associate director of the Experiment Station.

For eight years he was senior investigator on a research project supported by the Atomic Energy Commission to study the genetic control of absorption of calcium, strontium and other chemical elements by various strains of corn. Dr. Thomas also did research on the inheritance of disease resistance in plants and the development of hybrid corn suitable for silage use.

A fellow of the American Society of Agronomy and the American Association for the Advancement of Science, Dr. Thomas is the author or co-author of more than 70 papers.

Bookshelf

Philip Baldi, associate professor of linguistics at the University, and Ronald N. Werth, professor and chairman of the Department of Foreign Languages and Linguistics at the University of Texas at Arlington, have edited a collection of writings on the most important recent trends in the theory of sound change. It is entitled *Readings in Historical Phonology: Chapters in the Theory of Sound Change*, and was published by the Penn State Press.

The emphasis of the volume is theoretical; every selection addresses the central question of how and why the sounds of language change through time. Covering the most important trends in sound change theory over the past century, the book is divided into three sections, each with an introduction in which individual selections are discussed.

Section I represents pre-structural 19th-century linguistics. Section II presents 20th-century structuralism of various schools. And Section III is concerned with the post-structuralist era, primarily in the United States.

A textbook for courses in historical linguistics at all levels, the volume also should be useful as a source book for historical linguists and phonologists. All selections are in English.

George M. Enten, associate professor of history, has written a new study of how a leading Soviet scholar came to put his talents at the disposal of political authorities during the Stalinist era. Entitled *The Soviet Scholar-Bureaucrat: M.N. Pokrovskii and the Society of Marxist Historians*, the book was published by The Pennsylvania State University Press.

An historian, Pokrovskii became interested in legal Marxism in the 1890s, but he did not join the Marxist camp until after the Revolution of 1905. Following the Revolution of 1917, his party affiliation was cemented.

"Pokrovskii's life spans the great turning point in Soviet history — the collectivization of agriculture and the beginning of rapid industrialization," Dr. Enten writes. "He witnessed and became endangered by Stalin's rise to power. He resembles an entire generation of revolutionaries, many of them leading figures in the 1920s, who suffered Stalin's wrath in the 1930s."

"His life exemplifies the theme of a revolutionary turned administrator, a rebel who became not only a wielder of power but a symbol of it. In this sense," Dr. Enten adds, "Pokrovskii was part of a worldwide phenomenon and shared a destiny with others of backgrounds and aspirations greatly different from his own."

Biohazardous Manual available

The Biohazardous Control and Procedures Manual is now available from the Vice President for Research and Graduate Studies, the deans for research, and the intercollege research directors.

Provisions of the manual apply to anyone in a teaching, clinical, or research activity involving recombinant DNA, chemical carcinogens, and biohazardous agents.

The University Biohazards Committee will review all proposals calling for use of these agents and will monitor control practices.

The first edition of the manual was prompted by a wish to reduce the risk of exposure to hazardous agents and by mandates of the Department of Health, Education, and Welfare relative to recombinant DNA. After the University Biohazards Committee began to study recombinant DNA procedures, it became apparent that chemical carcinogens and biohazardous agents should also be included.

Members of the committee are Walter S. Ceglowski, John J. Docherty, Fred G. Ferguson, Ralph O. Mumma, Stanley Joseph, Floyd Naugle, James W. Shigley, John J. Villafraña, Ronald Yashin, and Arian Zarkower. Samuel H. Smith serves as chairman.

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Selection mode legal, court says

The 3rd U.S. Circuit Court of Appeals in Philadelphia has reaffirmed the legality of the University's methods of selecting trustees.

In upholding an earlier Federal District Court decision, the three-judge court rejected the arguments of four undergraduate students who had filed the civil suit, claiming that the trustee selection process violated their constitutional rights under the equal protection clause of the 14th Amendment.

The students — three of whom have graduated since the case originated in April 1977 — claimed that by not permitting them to participate in trustee selection, the University denies them the right to vote in an election.

The court, however, in an opinion written by Judge Ruggero J. Aldisert, stated that trustee selection is not a general public election and pointed out that the board of trustees "does not possess the minimum governmental powers associated with municipal, school district, county, State or federal offices."

Judge Aldisert and the other judges also rejected a claim by the plaintiffs that county industrial and agricultural societies and University alumni — all of whom participate in trustee selection — are groups with little or no relationship to the University.

Penn State has an historic commitment to agricultural and industrial goals, the court said, and University alumni have a continuing interest in its affairs. "An Alumni Association has been active at Penn State for over 100 years, and the record demonstrates significant participation in University activities," Judge Aldisert wrote.

The University had contended that the selection process, which is an internal corporate matter, did not involve State action within the meaning of the 14th Amendment. However, the court held that all actions of the University constitute State action.

Methods of choosing trustees to be studied

A \$100,000, 18-month study, aimed at improving the process of selecting college and university trustees in the United States, will be directed by Dr. Kenneth P. Mortimer, professor and director of the University's Center for the Study of Higher Education.

The national study will be conducted by the center in conjunction with the Association of Governing Boards of Universities and Colleges (AGB), a national organization of trustees and regents with more than 19,000 members.

The Carnegie Corporation of New York is supporting the research.

The United States is unique in its reliance on a system of lay trusteeship to govern higher education, says Dr. Mortimer. Approximately 38,000 persons serve voluntarily on the boards of 2,300 institutions. The annual turnover among trustees is estimated at 6,000 per year.

The study will address such questions as:

- What distribution of member backgrounds and skills contribute to an effective board?
- What terms of office are desirable?
- To what extent should special interests be represented?

- With nearly half of the private colleges and universities claiming affiliation with church organizations, to what extent should trustee selection be controlled by those organizations?

Robert W. Scott, federal co-chairman of the Appalachian Regional Commission and a former governor of North Carolina, will head a 10-member National Commission that will oversee the study.

University Park Calendar

Feb. 8-18

Special Events

Thursday, Feb. 8
 Depts. of Classics/Theatre Arts, free film,
 Tyrone Guthrie, *Oedipus Rex*, 7:30 p.m.,
 Room 102 Forum.
 College Art Building, 8 p.m., Rec. Hall. Free.
 Jazz Festival '79, PSU Jazz Band Concert, 8
 p.m., HUB Ballroom. Free.
 University Theatre, Gilbert and Sullivan,
H.M.S. Pinafore, 8 p.m., The Playhouse.

Friday, Feb. 9
 Jazz Festival '79, workshop with Matrix, 2 p.m.,
 HUB Ballroom, Matrix Concert, 8 p.m.,
 Eisenhower Auditorium. Free.
 France-Cinema, Wim Wenders, *Kings of the*
Road, 7 p.m. only, Room 112 Kern.
 SFO film, *The Last Detail*, starring Jack
 Nicholson, 7, 9 and 11 p.m., Room 102
 Forum.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.
 Penn State Brass Chorus, 8:30 p.m., Music
 Bldg. Recital Hall.

Saturday, Feb. 10
 Sports: women's fencing, vs. Jersey City State,
 10 a.m.; men's and women's bowling, vs.
 Drexel, 1 p.m.; men's fencing, vs. Navy, 1
 p.m.; women's swimming and diving, vs.
 Slippery Rock, 1:30 p.m.; women's basket-
 ball, vs. Cheyney, 2 p.m.; men's basketball,
 vs. Navy, 2:10 p.m.; men's volleyball, vs.
 Rutgers - Newark, 7 p.m.; wrestling, vs.
 Lehigh, 7:30 p.m.
 Jazz Festival '79, Jazz dance workshop, 1 p.m.,
 Room 132 White Bldg.; workshop with Bill
 Lewis, 2 p.m., HUB Ballroom; Bill Lewis
 Concert, 8 p.m., HUB Ballroom. Free.
 Friends of India film, *Koshish*, 6:30 p.m., Room
 101 Chambers.

France-Cinema, Philippe De Broca, *Dear*
Inspector, 7 and 9 p.m., Room 112 Kern.
 Graphic Design students, Film Follies, 8 p.m.,
 Walnut Bldg.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.

Sunday, Feb. 11
 University Chapel Service, 11 a.m., Eisenhower
 Chapel, John Wenzke, Lutheran Student
 Parish, speaker.
 Sports: men's bowling, vs. Penn State -
 Capitol, 1 p.m.
 Intercollegiate performance, 2 p.m.,
 Room 132 White Bldg.
 Commonsplace Theatre, *Fantastic Animation*
Festival, 7 and 9 p.m., Room 112 Kern.
 Artists Series, Mummenschanz, mime, 8:30
 p.m., Eisenhower Auditorium.

Monday, Feb. 12
 France-Cinema, *Dear Inspector*, 7 and 9 p.m.,
 Room 112 Kern.

Tuesday, Feb. 13
 "Theatre and Technology" lecture-
 demonstration with Helen Manfull and
H.M.S. Pinafore staff, 10:15 a.m., Walnut.
 Penn State Federal Credit Union Board Meeting,
 members welcome, noon, Telephone Bldg.
 Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel
 State College, John Kaiser and Murray Mar-
 tin, University Libraries, on "Research for
 Comparatists."

Affirmative Action and Nondiscriminatory
 Practices, workshops and buffet, 4:48-8:30
 p.m., Robeson Cultural Center, Walnut.
 Shakespeare Film, *Rigg*, *Midsummer Night's*
Dream, 6:30 p.m., Room 101 Chambers.
 Free.
 Sports: women's basketball, vs. Edinboro, 7
 p.m.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.

Arts Roundup

Art show salutes Black History Month

The Paul Robeson Cultural Center salutes
 Black History Month (February) with
 "Buck Skins," an exhibition of paintings
 by Frank E. Smith, which will be shown at
 the HUB Art Gallery until March 30.
 Dr. Smith is associate professor of
 fine arts at Howard University in
 Washington, DC.

According to Dr. Smith, the work in
 "Buck Skins" is an attempt to "address the



Wednesday, Feb. 14
 Sigma Delta Epsilon luncheon meeting, noon,
 Room 101A Kern. Katie Perry, graduate
 student, horticulture, on "Increasing the
 Effectiveness of Sprinkling for Frost Protec-
 tion."

Valentine's Day Candlelight Dinner, 4:45-6:45
 p.m., HUB Terrace Room.
 O'Clock Playwright's Theatre, Howard Motyl,
Other People, 5:30 p.m., The Pavilion
 Theatre. Free tickets at Pavilion Theatre box
 office one-half hour prior to curtain time.
 Shakespeare film, *Midsummer Night's Dream*,
 6:30 p.m., Room 101 Chambers. Free.
 Commonsplace Theatre, *Fantastic Animation*
Festival, 7 and 9 p.m., Room 112 Kern.

French Dept./Black Studies Program, award-
 winning film, Ousmane Sembene, *Mandabi*,
 7:30 p.m., Robeson Cultural Center, Walnut
 Artists Series film, Lars Magnus Lindgren, 1960,
Dear John, 8 p.m., Schwab.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.

Sports: men's basketball, vs. Pittsburgh, 8:10
 p.m.
 Phi Mu Alpha Percussion Ensemble, 8:30 p.m.,
 Music Bldg. Recital Hall.

Thursday, Feb. 15
 "Performing Arts" public panel discussion with
 Penn State staff members William Ray,
 Brian Morgan, Steven Fenwick, Thomas
 Benson, Dennis Spore, Burt Fenner and
 Gilbert Ward, 10:15 a.m., Walnut.
 College of Agriculture Quality Teaching
 Seminar, Francis M. Dwyer, senior research
 associate, on "Measuring Success in
 Teaching," 3:30 p.m., Room 108 Forum.

Sports: women's swimming and diving, vs. East
 Stroudsburg, 3:30 p.m.; women's basketball,
 vs. Millersville, 7 p.m.; wrestling, vs. Lock
 Haven, 7:30 p.m.

Valentine's Day Candlelight Dinner, 4:45-6:45
 p.m., HUB Terrace Room.
 O'Clock Playwright's Theatre, Howard Motyl,
Other People, 5:30 p.m., Pavilion Theatre.
 Penn State Dames meeting, 7:30 p.m., Room
 101 Kern.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.

African-American experience in content,
 form and spirit. It represents an attempt to
 visualize concepts of music, self, people, and
 life."

"Pinafore" at Playhouse

Hailed as the most popular musical of all
 time, Gilbert and Sullivan's *H.M.S.*
Pinafore will be anchored at the Playhouse
 Theatre on Feb. 8-10 and 13-17.

H.M.S. Pinafore is being directed by
 Helen Manfull and choreographed by
 Betsy Hamilton, both associate professors
 of theatre arts. Choral and orchestral
 music will be under the direction of Bruce

Friday, Feb. 16
 Dept. of German/IAHS, Uwe Herms, West
 German poet and novelist, gives an il-
 lustrated reading from his new novel, *Franz*
and Paula leben noch, 4 p.m., Room 124
 Sparks.

O'Clock Playwright's Theatre, Howard Motyl,
Other People, 5:30 p.m., The Pavilion
 Theatre.
 Commonsplace Theatre, *The Graduate*, 7 and 9
 p.m., Room 112 Kern.
 Sports: women's basketball, vs. Delaware, 7
 p.m.
 HPER Folk and Square Dance Roundup, 7:30
 p.m., Room 133 White Bldg.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.

Saturday, Feb. 17
 Sports: coed riflery, vs. Indiana (Pa.) and Army,
 11 a.m.; women's swimming and diving, vs.
 Princeton, 1:30 p.m.; men's basketball, vs.
 Army, 2:10 p.m.; men's and women's gym-
 nastics, vs. Southern Illinois, 7:30 p.m.
 France-Cinema, Michel Drach, *Les Violins du*
Bal, 7 and 9 p.m., Room 112 Kern.
 University Theatre, *H.M.S. Pinafore*, 8 p.m.,
 The Playhouse.

Sunday, Feb. 18
 University Chapel Service, 11 a.m., Eisenhower
 Chapel, Carl Derk, Inter-Varsity Christian
 Fellowship, speaker.
 France-Cinema, *Les Violins du Bal*, 7 and 9 p.m.,
 Room 112 Kern.

Seminars

Friday, Feb. 9
 Analytical Chemistry, Wendell Brattlie,
 graduate student, on "Enzymatic
 Enthalpimetry," 11:10 a.m., Room 333
 Whitmore.
 Physical Chemistry, Robert Watts, Australian
 National University, on "Computer
 Stimulation Studies of Water," 4 p.m.,
 Room 333 Whitmore.

Tuesday, Feb. 13
 Biochemistry and Biophysics, E. Massaro, Air-
 Environment Studies Center, on "Effects of

Trinkley, associate professor of music.

Tickets and information may be
 obtained by calling the Box Office at 865-
 1884.

Brass Chorale to play Feb. 9

The Penn State Brass chorale will present a
 concert at 8:30 p.m. Friday, Feb. 9, in the
 Music Building Recital Hall.

The program includes two modern
 compositions, "The Brass Square" by Earl
 Zanders and "Four Sketches for Brass" by
 William Lee.

Trombonist Ed Bengtson, a senior in
 music education, will be the soloist on H.
 David Caffery's "Tangents for Trombone

A daily calendar of events is available around
 the clock at 863-1100. For the latest information
 on College of Arts and Architecture events,
 telephone 863-1200.

Me-Hg on Mammalian Development,"
 11:10 a.m., Room 101 Althouse.
 Biology, Israel Zelitch, Connecticut Agricultural
 Experiment Station, New Haven, on
 "Studies on the Biochemistry and Genetic
 Regulation of Photoperiodism," 11:10 a.m.,
 Room 8 Mueller.
 Food Science, Jim Wen Liu, graduate student, on
 "Influence of Canning and Freezing
 Operations on the Agaritine Concentration
 in Mushrooms;" and Stanley Tarka,
 graduate student, on "Post-Harvest
 Physiology of Bananas," 11:10 a.m., Room
 201 Barland.
 Organic Chemistry, Lloyd M. Jackman,
 chemistry, on "Structure and Reactivity of
 Enolate Ions," 12:45 p.m., Room 333 Whit-
 more.
 Water Pollution Control, Dale E. Baker, soil
 chemistry, on "Trace Elements in the Sludge,
 Soil, Plant and Animal Continuum," 2:20
 p.m., Room 271 Willard.
 Geosciences, Will White, geosciences, on
 "Vibrational Spectra of Silicates and Silicate
 Melts, and the Great Hunt for the Elusive
 Aluminum Ion," 3:45 p.m., Room 26
 Mineral Sciences.
 Plant Pathology, Neal DeVos, graduate student,
 on "Techniques for the Quantification of
 Foliar Responses to Disease," 3:55 p.m.,
 Room 213 Buckhout.
 American Society for Metals, Alan B. Draper,
 industrial engineering, on "Foundry
 Research at Penn State," 7:30 p.m., Room
 301 Steidle.

Wednesday, Feb. 14
 Inorganic Chemistry, Eric Burkhardt, graduate
 student, on "Aspects of the Organometallic
 Chemistry of the Actinide and Lanthanide
 Elements," 8 p.m., Room 333 Whitmore.

Thursday, Feb. 15
 Chemistry, Ken Eisenblat, Columbia University,
 on "Picosecond Studies of Ultrafast
 Chemical and Physical Processes," 12:45
 p.m., Room 333 Whitmore.
 Anthropology/HPER/IES, Margo Wilson and
 Martin Daly, McMaster University, on
 "Some Human Sex Differences in
 Evolutionary Perspectives," 3:30 p.m., Room
 112 Kern.
 Physics, John E. Rowe, Bell Laboratories, on
 "Studies of Electronic Band Structures with
 Photoelectron Spectroscopy," 3:50 p.m.,
 Room 117 Osmond.

Friday, Feb. 16
 Analytical Chemistry, Mark A. Latta, graduate
 student, on "Photoacoustic Spectroscopy,"
 11:10 a.m., Room 333 Whitmore.
 Physical Chemistry, Peter Kelly, graduate
 student, on "Optical-Optical Double
 Resonants in Li⁺," 4 p.m., Room 333 Whit-
 more.

Exhibits

Chambers Gallery: Art Education students'
 exhibit, mixed media.

HUB Gallery: Black Experience exhibit, Frank
 Smith, Howard University, paintings,
 Guyana artifacts; SuperMud, opens Feb. 12.

Kern Commons Gallery: Contemporary
 photographers VI.

Museum of Art: open noon-5 p.m. daily,
 closed Mondays. Free tours, Sundays, 1:30
 p.m. Watercolors and drawings from the
 permanent collection, William Dole, a
 retrospective exhibit of collages, 1958-1978.

Pattee Galleries: Exhibition on the Black
 Experience, Rare Books Room, Foyer.

Robeson Cultural Center: exhibition on the
 Black Experience.

Zoller Gallery: open 9 a.m.-5 p.m. weekdays,
 noon-5 p.m. weekends. SuperMud, opens
 Feb. 12.

and Brass Choir." A trombone quintet will
 perform three numbers during the second
 part of the program. They include
 "Sehnsucht" by Schubert, the Lament
 from "Dido and Aeneas" by Henry Purcell
 and Don Haddad's "T-Bone Party."

Christopher Callahan, French hornist,
 will open the final section of the program
 as soloist in Handel's *Sonata in B Flat*. Mr.
 Callahan is an assistant professor of music.
 The program will close with several dances
 from the ballet "Checkmate" by Arthur
 Bliss.

The Brass Chorale is conducted by
 James Benshoff, assistant professor of
 music.

Implementation of BDR III

Initial Informational Report



Editor's note: The following report will help keep faculty current with developments in the implementation of BDR III. The dates on the timetable of necessity are readjusted as information is collected from the Colleges and departments. While a Spring Term deadline was desirable, a Summer or early Fall may have to be accepted.

The aim of BDR III is to preserve the flexibility of approach suitable to a large, diversified university and, at the same time, to arrest the atomization and overspecialization of the curriculum by identifying what is essential in the general education of our students.

Commonly accepted goals of baccalaureate degree requirements are (1) to provide skills for advanced study and lifelong learning; (2) to develop some understanding of ourselves, of others, and of our environment; and (3) to develop the capacity to integrate our learning with past personal experiences and to strengthen them present for contributing to society.

To meet these goals, three categories of requirements are traditionally established: the requirement for advanced learning skills, as in writing and mathematics; the distribution, or breadth, requirement that introduces students to main areas of knowledge; and the requirement for integrative learning experiences that develop common understandings across boundaries of discipline, time, and place. A fourth category of requirements in health sciences and physical education is included.

The objectives to be sought by the students in the integrative process are (1) an appreciation of their heritage; (2) an understanding of how their educational experiences relate to their future work and to the complex problems confronting society; and (3) the development of an enriched set of values and principles. (See *Senate Record* dated 5-16-2-78, available by contacting your program head, campus director, or Pattee Library for details.)

The Subcommittee appointed to Develop Guidelines for the Implementation of BDR III began in October to discharge the following:

1. develop all of the necessary forms for submittal of programs by their respective faculty and administrators to the Senate Committee on Curricular Affairs;
2. develop a listing of those persons who should be contacted in each of the colleges in order to develop the breadth and distribution requirements for BDR III;
3. establish the dates for those steps necessary to permit submission of the materials by the appropriate persons in order to implement BDR III in the 1980-81 school year;
4. develop recommendations for a permanent subcommittee of curricular affairs to work with BDR III.

Of course the completion of our task depends on the combined efforts of the entire University community. We have attempted to facilitate such cooperation through the tentative timetable/sequence of events:

Tentative Timetable/Sequence of Events

11/17/78

A letter was sent to appropriate personnel in the Colleges of Arts and Architecture, Earth and Mineral Sciences, Liberal Arts, and Science to prepare a set of statements

of objectives/competencies/skills, being course specific wherever possible, for satisfying BDR III legislation. In addition, the Colleges of Arts and Architecture, Earth and Mineral Sciences, Liberal Arts, and Science are to identify advisory consulting teams for helping undergraduate program faculties in the task of developing an appropriate listing of courses for BDR III. These Colleges are being asked to help provide some consulting guidelines.

A letter was sent to all program heads requesting similar advisory statements of objectives/competencies/skills with examples of courses and/or course modules from their programs that would meet and adequately satisfy the intent of BDR III legislation.

12/1/78

The BDR III subcommittee will develop the necessary forms to provide for submittal of BDR III courses by each undergraduate program to the Curricular Affairs BDR III subcommittee.

1/15/79

A statement of objectives/competencies/skills with examples of courses and/or course modules from personnel in appropriate colleges, together with a listing of consulting teams to help facilitate the implementation of the BDR III breadth requirement will be returned to the BDR III subcommittee.

2/5/79

This packet of materials, i.e., the set of advisory statements, the necessary forms, and a listing of consulting teams to help each undergraduate program faculty develop its listing of BDR III breadth courses in the Arts, Humanities, Natural Sciences, and Social and Behavioral Sciences after review, revision as necessary, and acceptance by the BDR III subcommittee, of Curricular Affairs, will be distributed University-wide.

2/5/79 to 4/30/79

The process of consultation between/among appropriate units to prepare the listing of BDR III courses (46 credits) for each undergraduate program will take place.

5/1/79

Each undergraduate program will submit in the proper format its proposed BDR III program requirements to the Curricular Affairs BDR III subcommittee. The subcommittee will consider each program submitted, accept it, or return it to the appropriate program faculty for revision and subsequent subcommittee action. This action phase (which will include approval of each program by the total Curricular Affairs Committee) will be completed by the deadline for inclusion into the 1980-81 undergraduate catalog (approximately Nov. 1, 1979).

BDR III SUBCOMMITTEE

Michael P. Hottenstein Paul Aust
Eugene R. Melander Mary G. Chisholm
E. Willard Miller Joanne Z. Feldman
Richard L. Morrill David R. Schlow
Daryl K. Heasley, Chairman

Affirmative Action conference

A conference on "Affirmative Action and Nondiscriminatory Practices" will be held from 4 to 8:30 p.m. Tuesday, Feb. 13, in the Paul Borum Cultural Center, Walnut Building.

The schedule of events includes two speakers, an ethnic buffet and workshops on Affirmative Action's implications for (1) employment, (2) graduate school admissions, and (3) ethnic groups.

Participants must register in advance for one of the workshops and pay \$2 to cover the cost of the buffet. Registration forms and further information may be obtained at the HUB desk. The conference is a class project for Sociology 458.

WPSX Highlights

Saturday, Feb. 10, at 10:30 p.m., WPSX-TV will offer live coverage of the Chinese New Year festivities in San Francisco, an event that annually attracts some 500,000 spectators. Through the use of live interviews and film segments, this 90 minute special will also focus on the Chinese-American community, especially the severe division between pro-Taiwan and pro-Mainland adherents in light of the recent U.S. recognition of Mainland China. San Francisco's ethnic Chinese community is the largest concentration of ethnic Chinese anywhere outside of Asia.

A panel of scholars and foreign policy analysts—including Arthur Schlesinger of New York University, Stanley Hoffman of Harvard, Daniel Yankovitch, president of Yankovitch, Skelly and White; and William P. Bundy, editor of *Foreign Affairs Magazine*—will discuss the future of American foreign policy on *America and the World*, Sunday, Feb. 11, at 2 p.m.

Dragons of Paradise might well be called a journey to the brink of extinction. Sunday, Feb. 11, at 8 p.m., this documentary tells the story of the American alligator, its history, behavior, and biology. In particular, the program monitors the threat of extinction to the alligator and related species by commercialization.

H.E. Bates' short story, "Breeze Anstey," will be dramatized Sunday, Feb. 11, at 9 p.m. as part of *Masterpiece Theatre's* series, *Country Matters*. The story tells of the relationship of two young women operating an herb farm during the Depression.

For the Q'eros Indians, a people almost completely cut off from Western

civilization, time stopped 3,000 years ago. In a program entitled "Patterns from the Past," Nova examines their complex pattern for survival in a hostile environment, a life-style that may predate even the Incan conquests. WPSX-TV will air the program Monday, Feb. 12, at 8 p.m. **The Shakespeare Plays**, a new six-year project which will bring all of William Shakespeare's 37 plays to public television, begins Wednesday, Feb. 14, at 8 p.m. with *Julius Caesar*. Charles Gray stars as Julius Caesar, with Richard Pasco as Brutus, David Collings as Cassius, Elizabeth Spriggs as Calpurnia, and Keith Mitchell as Marc Antony. In the first season, the series will present a total of six plays to be seen biweekly.

Thursday, Feb. 15 at 8 p.m., **Bill Moyers' Journal** reports on a December 1978 conference on "America and the Carter Presidency," held at Indiana University's Poynter Center. Several authorities examine the cultural and moral significance of Carter's presidency thus far, seeking to answer the question of whether the president makes the times or the times make the president.

Two specials on Papua, New Guinea, which gained its independence in 1976, are seen on World, Thursday, Feb. 15, beginning at 9 p.m. The first program, *Getting Elected in Papua, New Guinea*, deals with the 1977 election as residents of this region, which had been a Crown Colony under Australian rule, voted for their new parliamentary system for the first time. Finally a Nation, at 10 p.m., takes a look at New Guinea's movement toward independence and the celebration which surrounded Independence Day.

News in brief

(Continued from page 1)

ventilation in all but a few locations, according to Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee.

Approximately \$2,500 per day in electrical expense was avoided.

The temperature was lowered in all buildings except where such a move would have caused problems with special events or critical research. Animal quarters also were maintained at required conditions from Dec. 23 through Jan. 1.

"We were able to turn back temperatures more effectively this holiday period than in past years for several reasons," explains J. Carroll Dean, manager of energy conservation programs.

"First, the longer 10-day break made it more cost-effective to turn back heat in buildings; second, the new computerized central control system that monitors the environmental systems conditions in 85 buildings and remotely controls certain building systems made it easier to accomplish the cutbacks."

Warning on 'rip-off' artists

The University is being deluged with "rip off" artists from all over the country promising top quality office supplies at good prices, according to W. E. Burger, director of purchasing services.

CopY toner is a favorite offering. However, the merchandise is usually of poor quality and is sold at higher than usual prices. Mr. Burger warns. Companies offering such goods may indicate that they do not need a purchase order to deliver, and some of the shipments come via UPS to avoid the charge of using the mails to defraud.

The University has returned many unauthorized shipments. Mr. Burger says, and will refuse to pay for any purchase unless an authorized and approved purchase order from the Department of Purchasing Services is obtained prior to placing the order.

Mr. Burger cautions employees against being taken in by offers of such materials and asks that all calls and shipments be referred to Purchasing Services.

Book donations asked

Book donations are being requested by the State College Branch of the American Association of University Women for its 18th annual used book sale, which will be held April 23-27 at the Wesley Foundation.

Paperbacks and hard-covers of all kinds are welcome—reference books, crafts, gardening, and cookbooks, mysteries or classics as well as sheet music, 33-1/3 recordings, and the National Geographic Society's maps. There is always a great demand for good children's books and collector's items.

Books may be left in special boxes in the rear foyer of Schlow Library or inside Ziff's. Information about pick-up service for larger donations is available at 237-8068.

Valentine dinners at HUB

The HUB Terrace Room will feature Valentine Candlelight Dinners from 4:45 to 6:45 p.m. on Wednesday, Feb. 14, and Thursday, Feb. 15, reports Louis A. Berrena, manager of HUB food services.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Department for filling. This announcement is made with the understanding that persons who are interested in promotion may apply by filling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Feb. 15, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT PERSONNEL DIRECTOR — APPLIED RESEARCH LABORATORY, University Park Responsible to the Personnel Director of ARB for the administration and management of personnel relations functions, including recruiting, job classification, employee records and personnel-related research. Bachelor's degree or equivalent with two to four years of directly related experience in personnel management related areas, including some experience in statistical analysis and computer programming. Some work toward a master's degree desirable.

ASSISTANT FOOD SUPERVISOR — HOUSING AND FOOD SERVICE OPERATIONS, University Park Responsible for assisting in the supervision of dining hall operations. Bachelor's degree in hotel and restaurant management, institutional management, food and nutrition, or equivalent.

*The BDR III subcommittee members interpret the intent of the Senate legislation to constitute a threshold level of requirements. Thus, it would be possible for a student with the necessary background in one or all of the areas to ask for and receive permission to select a higher level of course than listed in the BDR III requirements of a program. The satisfactory completion of such a course would then satisfy that particular BDR III requirement.

Penn State Intercom

News in Brief

UDIS instruction seminar

The University Division of Instructional Services (UDIS) is sponsoring a three-hour orientation seminar on the design and use of instructional modules at 1:30 p.m. Wednesday, Feb. 28, in Room 128 Mitchell Building.

The seminar is designed for faculty who are interested in instructional techniques and procedures currently being used throughout the country to improve instruction. A number of faculty members from within the University who have had successful experiences with modularized instruction will be invited to participate.

Specific topics to be covered will include: the structure of modules, methods of individualizing instruction, techniques for humanizing instruction, student-faculty interaction, individual differences, providing student feedback and other related topics.

Participants will have an opportunity to view a slide-audiotaped presentation depicting University locations where different module formats may be implemented. Films on individualizing instruction (audio-tutorial approach and the Keller Plan) will also be presented. A bibliography relating to modular and individualized instruction, several articles, and sample modules will be available to the participants.

The seminar is limited to 35 participants on a first come basis. For reservations or additional information, please call the Office of the Director at 865-7675.

Alumni Fellows may be available for scheduling

The seven Alumni Fellows who will visit the University Park beginning the second week in April may be available for activities with colleges other than their own.

Schedules are being prepared and requests for lectures and group meetings with Fellows should be made through the coordinators assigned to them.

The Fellows and their coordinators are: Oliver Smith, Arts and Architecture (April 9-12); Douglas Cook, S-7586; Ralph Peters, Business Administration (April 10-12); Mickey Bergstein, S-3497; Ruth Holden, Education (April 17-20); Asa Berlin, 3-2004; Paul Barton, Earth and Mineral Sciences (April 18-20); H.L. Barnes, S-7573; G.G. Michelson, Liberal Arts (April 18-20); Bob Stern, S-9514; Arthur Nesbitt, Agriculture (May 1-4); Harvey Shaffer, S-5491; Joseph Kriss, Medicine; William Weidner, 454-8044.

The Alumni Fellows visit campus as guests of the academic colleges and the Alumni Association.

If they haven't canceled spring

Faculty having information which they would like included in INTERCOM's Spring Term Calendar should send it to Lee Morrill, Room 301 Old Main, 865-2505, by Wednesday, Feb. 21. The calendar will appear in the March 8 issue of INTERCOM.

Campus Colleagues to meet

Campus Colleagues, an organization of women faculty and staff members at the University, will hold a special session Wednesday, Feb. 21, at 4 p.m. in the Nittany Lion Inn Assembly Room to hear a talk by Dr. Helen Astin.

A professor of higher education at the



One of the best salad bar bargains in town is available for lunch or dinner at the HUB Terrace Room. Deli sandwiches are also offered, at noon only.

University of California at Los Angeles, Dr. Astin will discuss "Women in Academe." A social hour will follow the talk.

Correction

The Jan. 18 issue of INTERCOM, in an article announcing the appointment of Penrose Hollowell as Secretary of Agriculture, listed the Secretary as having been chairman of the "Clean & Green" Constitutional Amendment Committee. This is incorrect. Secretary Hollowell served as vice-chairman of the committee.

Early registration

Advisors should note that early registration for Spring Term classes at the University will be held from 8:30 a.m. to 4:30 p.m. Feb. 21-23 and 26-27 in Room 112 Shields Building.

Students who are preregistered and who are willing to accept their assigned courses

must have tuition and fees paid and must present their ID cards, fee receipts and advance class assignment schedules.

Students who register early will not be permitted to return to the regular registration.

Dean Beattie to speak

Dr. James M. Beattie, dean of the College of Agriculture and director of the Pennsylvania Agricultural Experiment Station and the Cooperative Extension Service, will speak to engineers at the Engineers' Week banquet at 7 p.m. Saturday, Feb. 24, at the Nittany Lion Inn.

Dr. Beattie's topic will be "Can Technology Solve the Food Crisis?" Past chairman of the Division of Agriculture for the National Association of State Universities and Land-Grant Colleges, he is currently chairman of that association's Agricultural Committee on Legislation.

Ticket information for the banquet may (Continued on page 2)

Association of Voluntary Action Scholars relocates office to University Park Campus

The Association of Voluntary Action Scholars (AVAS) has relocated its executive office from Boulder, Colo., to Penn State.

The new AVAS headquarters is associated with the Institute for the Study of Human Development, a research facility of the College of Human Development.

Dr. Drew Hyman, associate director of the Institute, says AVAS is "a national association of more than 600 scholars and professionals who study citizen involvement and volunteer participation—the whole range of non-coerced human behavior for which there is no remuneration."

Within that field of interest lie such phenomena as social movements, volunteer programs, voluntary associations, pluralism, community organizations, altruism, helping behavior, philanthropy, leisure, religious activities, cause groups and political participation.

AVAS has established a nationwide "citizen participation observation network" through which researchers in different institutions share data on existing and emerging movements. Current subjects being studied by AVAS researchers include the laetrile movement, the red-lining movement, and the tenants' rights movement.

Dr. John McLoughlin, executive director of AVAS, explains: "Through its publications, services and other activities, AVAS provides an interdisciplinary medium for scholars and practitioners to learn about and contribute to the growing body of literature associated with these fields."

Dr. McLoughlin adds that by moving to Penn State AVAS will offer a more convenient location to its members, the majority of whom are located in the Northeast and Midwest, and will also gain easier access to federal agencies and the headquarters of voluntary associations in Washington, D.C.

Dr. Hyman says the move will benefit the University and the College of Human Development by providing linkage to the AVAS research network. Penn State faculty will have an opportunity to work with AVAS in developing and conducting research.

Within the Institute for the Study of Human Development, the AVAS executive office will relate closely to the Center for Community Research, which develops and applies knowledge concerning the community, its environment and organizations in relation to meeting individual and societal needs.

\$50,000 allotted for University Scholars plan

An allocation of \$50,000, the first to be made from the Fund for Academic Excellence, will be used to explore ways of implementing the Senate-approved University Scholars Program, Provost Edward D. Eddy said at the Feb. 6 Senate meeting.

At this point, the administration is hesitant about pulling away \$100,000—a figure suggested by the Senate to fund the program—from on-going academic operations.

"But the idea is so critically important to everything we are attempting to do throughout the University that we want to make a start," Dr. Eddy said.

The Fund for Academic Excellence was established as the result of a \$500,000 grant given by the University last spring by the Richard King Mellon Charitable Trusts of Pittsburgh.

In line with the Senate's recommendations, a faculty member interested in developing programs for academically superior students will be identified and given released time, the Provost continued. Support for an experimental program or two would also be provided during the first year.

"The faculty member would begin to explore further this whole question and see what is going on in the various Colleges and where we might strengthen both the College programs already in existence and the inter-college programs," Dr. Eddy explained. "In this way, the faculty member who is released for this purpose would then come back to us and to the Senate with recommendations for further efforts in establishing a full-blown University Honors Program with the recognition of the limited resources available."

Asked whether money from the Fund for Academic Excellence could be used to attract superior students, Dr. Eddy pointed out that the Penn State Scholars Program has been highly successful in this regard.

He noted, however, that one of the concerns of the soon-to-be-named dean of admissions will be to try to help the University hold on to good students after they are accepted.

Penn State issues acceptances in advance of many schools but loses contact with applicants once letters of acceptance have gone out—just at the time when other schools are aggressively seeking academically superior freshmen. College deans and Campus directors have been asked to pay personal attention to maintaining communication with superior students who have been admitted, Dr. Eddy said.

Much of the discussion at the meeting centered on two proposals of the Committee on Committees and Rules. The first, an amendment to the Senate Constitution, proposes that in addition to three graduate student senators elected from "all locations," medical students in the College of Medicine be allowed to elect a senator.

Committee Chairman John Sink asked, "Does the Senate want to differentiate between medical and graduate students or lump them together?" The proposal, which was opposed by the Graduate Student Association, is required by Senate rules to lie on the table until next month.

(Continued on page 2)

Penn Staters



Dr. Clyde S. Card, assistant director of the Agricultural Experiment Station at the University of Idaho, has been appointed professor and head of the Department of Veterinary Science in the College of Agriculture.

Dr. Card succeeds Dr. Alfred L. Bortree, who retired Dec. 31.

A member of the University of Idaho faculty since 1973, Dr. Card also served as an associate professor of veterinary science. He received the R.W. Wade Award as the outstanding teacher in the College of Agriculture in 1974.

A native of South Paris, Me., Dr. Card earned a B.S. in animal husbandry from the University of Maine in 1951, winning a Danforth Fellowship in agriculture the same year. He received an M.S. in dairy nutrition from Cornell University in 1955, a D.V.M. from the New York State Veterinary College in 1957, and a Ph.D. in comparative pathology from Colorado State University in 1976.

He has performed research in the fields of neonatal death loss in calves, hypoxic-induced right heart failure of cattle, physiological parameters of coyotes, and the pathology of various systems.

Dr. Card is no stranger to Penn State, having begun his academic career in 1963 as a research associate in the same department he now heads.

From 1965 to 1973, he was at Colorado State, where in 1972 he was named the outstanding teacher in clinical medicine.

Dr. Card also served on the National Advisory Committee (ad hoc) to the Experiment Station Committee on Organization and Policy.

Dean Stanley F. Paulson of the College of the Liberal Arts was elected to the board of directors of the Association of American Colleges at that group's recent annual convention in Washington, D.C. More than 600 colleges and universities are members of the organization, which is a national association for the advancement of liberal education. Dean Paulson is also a member of the editorial advisory board for the association's journal, *Liberal Education*.

Dr. Arthur Hayes, professor of pharmacology and medicine and chief of the Division of Clinical Pharmacology at Hershey, recently delivered the Distinguished Lecture in Clinical Pharmacology before the Nevada Academy of Family Practice Meeting in Reno. His lecture on "Clinically Significant Drug Interactions" was sponsored by the American Society for Clinical Pharmacology and Therapeutics.

Dr. John E. Tilton, professor of mineral economics, has been named a member of the Board on Mineral and Energy Resources of the National Academy of Sciences/National Academy of Engineering.

Dr. Barnes W. McCormick, professor and chairman of aerospace engineering, has been appointed an associate editor of the *Journal of Aircraft* by the American Institute of Aeronautics and Astronautics (AIAA).

Dr. Irwin Feller, professor of economics and director, Institute for Policy Research and Evaluation, has been appointed to the editorial board of a new interdisciplinary journal, *Knowledge, Creation, Diffusion, Utilization*, which will be published by Sage Publications. Dr. Feller also presented a seminar at Northwestern University's Center for the Interdisciplinary Study of Science and Technology on "The Innovation Process in Local Government."

Dr. Maurice Shamma, professor of chemistry, recently presented two invited lectures in Chile. On Jan. 11, he was plenary lecturer at the 10th meeting of the Chilean Chemical Society in Valdivia, where he discussed "Recent Developments in Isoquinoline Alkaloid Chemistry." On Jan. 9, he gave a colloquium on "Biogenetic Considerations in Natural Products Chemistry" at the Technical State University in Santiago, Chile.

John Cook, professor and head of the sculpture option in the Department of Art, is having a one-man show of recent works at Purdue University's Union Gallery this month.

Dr. Robert D. Pashek, associate dean of the College of Business Administration and professor of business administration, has been appointed acting director of the Pennsylvania Transportation Institute. He succeeds Dr. Thomas D. Larson, who has been appointed to Gov. Richard Thornburgh's Cabinet as Secretary of Transportation.

Dr. Alistair B. Fraser, associate professor of meteorology, recently lectured at 12 universities and government research agencies in Canada under the sponsorship of the Canadian Meteorological and Oceanic Society, with support from the Canadian Atmospheric Environment Service. His lecture topics were: "The Mirage, the Green Flash and Theological Optics" and "A Halo Is an Ice Phenomenon."

Appointments

David R. Lachtermann as associate professor of philosophy. B.A., St. John's College; Ph.D., Harvard U. Formerly lecturer, Syracuse U.; assistant professor, Swarthmore.

Stephen R. Turns as assistant professor of mechanical engineering. B.S., Penn State; M.S., Wayne State U.; Ph.D. in progress, U. of Wisconsin-Madison. Formerly research engineer, General Motors.

Sally A. Angle as assistant librarian. B.S., Shippensburg State College; M.L.S., U. of Pittsburgh. Formerly librarian, Boiling Springs, Pa., and Hagerstown, Md.

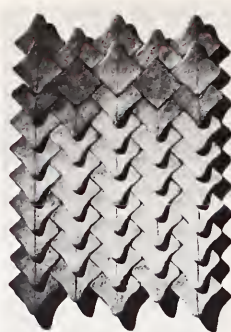
Michael Dideban as instructor of mechanical design engineering technology at Capitol Campus. B.S., M.S., Lamar U. Formerly instructor, Lamar U.; design engineer, Romine and Romine, Inc.

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A clay wall piece by James Stephenson, associate professor of art, is part of the inaugural exhibition running through March 25 at the William Penn Memorial Museum in Harrisburg.

News in brief

(Continued from page 1)

be obtained by contacting any department in the College of Engineering. The deadline for the purchase of tickets is Monday, Feb. 19.

Engineering Dean Nunzio J. Palladino will serve as master of ceremonies for the event, which is sponsored by the Pennsylvania Society of Professional Engineers.

New AV catalog

A new catalog, *Films for Health, Safety and Physical Education*, is now available from Audio Visual Services free of charge for prospective users of the University's media materials.

The catalog incorporates two previous publications, *Films for Health, Recreation and Physical Education* and *Films for Safety and First Aid*. It includes descriptions of films on such subjects as alcohol and drugs, safety, physical and mental health, human physiology and reproduction, sex education, medicine, nutrition and sports.

Any of the 20 Audio Visual Service subject-area catalogs may be obtained by calling the Reference and Advisory staff at (814) 865-6316 or by visiting the Special Services Building on Fox Hill Road. Catalogs also are on file in Pattee Library's reference department, at the Commonwealth Campus libraries and instructional service offices, and at the individual viewing facility in Room 25 Willard Building.

May I have the next dance?

The Penn State Ballroom Dance Club is searching for a faculty adviser. Interested persons should phone club vice president Karen Anderson or secretary Chris Brennan, both at 237-1468. The sole prerequisite, they say, is a sincere interest in ballroom dancing.

German poet to speak

Uwe Herms, the West German poet and novelist, will present an illustrated reading from his new novel, *Franz und Paula leben noch*, tomorrow (Feb. 16) at 4 p.m. in Room 124 Sparks Building. The multimedia presentation will be followed by a discussion in German or English.

The public lecture is sponsored by the Institute for the Arts and Humanistic Studies in cooperation with the International Writing Program of the University of Iowa and the Department of German.

Libraries award nominees asked

March 1 is the deadline to nominate candidates for the Award for Outstanding Contribution to the University Libraries. The award, consisting of a cash stipend and a Nittany Lion statue, is presented annually to a Libraries staff member, a benefactor of the University Libraries, a member of the University teaching or research faculty, or an administrator.

Nominees should meet the following guidelines:

- have made a professional contribution which had a significant influence on the operations of the Libraries;
- have made a significant professional contribution which earned the recognition of the University community for the Libraries;
- have made a significant contribution to the profession which reflects achievement in librarianship at Penn State;
- have shown excellence of service through continuous leadership and innovation.

Nomination forms are available at the following Library locations: Arts (E405 Pattee), Architecture (310 Sackett), Earth and Mineral Sciences (105 Deike), Engineering (325 Hammond), Information Desk (C102 Pattee), Life Sciences (E205 Pattee), Mathematics (109 McAllister), Physical Sciences (230 Davey), and Commonwealth Campus Libraries.

Nominations should be sent to Miriam D. Pierce, chairman of the Awards Jury, E205 Pattee, on or before March 1.

Senate

(Continued from page 1)

Senators also raised questions about an informational report presented by the Committee on Committees and Rules, in particular a provision stating that senators missing four regularly scheduled meetings be required to resign. Exceptions could be requested, but in the event that errant senators take no action, the Senate Chairman would declare their office vacant and ask that they be replaced.

A challenge to the constitutionality of this proposal and several suggested changes in wording will have to be resolved before the measure is implemented during the next Senate year.

The Senate Committee on Undergraduate Instruction presented an informational report on Guidelines for Retention and Transfer, Guidelines for More Restrictive Academic Requirements for Entrance and/or Retention for Undergraduate Students, and Criteria to be Used in the Selection of Students for Entrance to Colleges or Majors when Enrollment Restrictions Are Approved by the Department, Dean and Provost. These reports appear on page 4.

In other business the Senate heard a report on the structure and services of the Office of Publications from Jean W. McManis, director of publications and University editor. Arthur E. Goldschmidt Jr., chairman of the Committee on Student Affairs, Awards and Scholarships, presented a report on student housing.

The report "strongly commends the work being done by the Office of Student Affairs in general and by Residential Life Programs in particular to enhance the quality of on-campus student housing." It also urges that the quality and quantity of student housing at all campuses, both on and off-campus, be taken into account in planning for future Penn State development.

Under Comments and Recommendations for the Good of the University, Senator Philip Klein suggested that it would be extremely helpful if the constitutional responsibility of the Senate Chairman to report on the doings of the Faculty Advisory Council were interpreted more broadly.

Calendar

Feb. 15-25

Special Events

Thursday, Feb. 15

Valentine's Day Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Sports: women's basketball, vs. Millersville, 7 p.m.; wrestling, vs. Lock Haven, 7:30 p.m. Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Friday, Feb. 16

IAHS/Dept. of German, Uwe Herms, West German poet and novelist, reads from his new novel, *Franz und Paula leben noch*, 4 p.m., Room 124 Sparks.

o'Clock Playwrights' Theatre, Howard Motyl, *Other People*, 5:30 p.m., The Pavilion Theatre.

Sports: women's basketball, vs. Delaware, 7 p.m.

Commonplace Theatre, *The Graduate*, 7 and 9 p.m., Room 112 Kern.

HPER, Folk and Square Dance Roundup, 7:30 p.m., Room 133 White Bldg.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Saturday, Feb. 17

Last date for submitting petition to Records Office to graduate in absentia in March.

Sports: coed rifle, vs. Indiana (Pa.) and Army, 11 a.m.; women's swimming and diving, vs. Princeton, 1:30 p.m.; men's basketball, vs. Army, 2:10 p.m.; men's and women's gymnastics, vs. Southern Illinois, 7:30 p.m.

France-Cinema, *Michel Drach*, *Les Violins du Bal*, 7 and 9 p.m., Room 112 Kern.

University Theatre, *H.M.S. Pinafore*, 8 p.m., The Playhouse.

Sunday, Feb. 18

University Chapel Service, 11 a.m., Eisenhower Chapel, Carl Derk, Inter-Varsity Christian Fellowship, speaker.

Shaver's Creek Nature Center staff, winter nature walk, 2 p.m., Walnut Springs Park, State College.

France-Cinema, *Les Violins du Bal*, 7 and 9 p.m., Room 112 Kern.

Monday, Feb. 19

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Feb. 20

Panell on Integration of Arts/Science with Penn State faculty members Raymond Stuber, Richard Mayhew, Helen Manfull, Rustum Roy, Dale Harris and Robert Ott, 10:15 a.m., Room 20 Walnut.

Sports: women's basketball, vs. Slippery Rock, 6 p.m.

Wednesday, Feb. 21

Last day for signing Winter Term Emergency Loans, Room 108 Shields.

Thursday, Feb. 22

Campus Colleague meeting, 4-6 p.m., Assembly Room, Nittany Lion Inn. Helen Astin, higher education, UCLA, on "Women in Academe."

Sports: men's volleyball, vs. Pittsburgh, 7 p.m. Student recital, Ed Bengtson, trombone, 8:30 p.m., Music Bldg. Recital Hall.

Winter Term classes end, 9:55 p.m.

Thursday, Feb. 22

Final examinations.

Friday, Feb. 23

Final examinations.

Saturday, Feb. 24

Final examinations.

Engineers' Week Banquet, 7 p.m., Nittany Lion Inn. James M. Beattie, dean, College of



Judy Dater's "Door and Light" (1966) is part of the Contemporary Photographers VI exhibit at the Kern Commons Gallery through Feb. 24.

Agriculture, on "Can Technology Solve the Food Crisis?" Tickets available through any dept. on College of Engineering, deadline, Feb. 19.

Seminars

Friday, Feb. 16

Analytical Chemistry, Mark A. Letta, graduate student, on "Photoacoustic Spectroscopy," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Kelly, graduate student, on "Optical-Optical Double Resonants in LiI," 4 p.m., Room 333 Whitmore.

Tuesday, Feb. 20

Biology, Nicholas Cohen, University of Rochester, School of Medicine and Dentistry, on "Evolution of Major Histocompatibility Complex," 11:10 a.m., Room 8 Mueller.

Organic Chemistry, Jeffrey C. Trewella, graduate student, on "NMR Studies of Some Hydrogen-Bonded Systems," 12:45 p.m., Room 333 Whitmore.

Water Pollution Control, Ernest F. Giovannitti, Division of Non-Point and Industrial Sources, Pa. DER, on "Control of Toxic and Hazardous Wastes," 2:20 p.m., Room 271 Willard.

Chemical Engineering, P. K. Lim, University of Illinois, on "The Oxidation Kinetics of Aqueous Sulfur Dioxide Solutions and Its Implications on Wet Scrubber Performance," 3:45 p.m., Room 140 Fenske.

Plant Pathology, George Bird, Michigan State University, on "Computer Games," 3:55 p.m., Room 213 Buckhout.

Wednesday, Feb. 21

Inorganic Chemistry, Klaus Porsche, Harvard University, on "Reactions of Binary Ni(O)-Olefin Complexes with Reducing Agents," 8 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: open Monday.

Tuesday, Wednesday, 9 a.m.-1 p.m., and by appointment, 865-3853, through Feb. 21 Pre-Columbian materials.

Chambers Gallery: Art Education graduate students' exhibition, mixed media, through Feb. 21.

HUB Gallery: Frank Smith, Howard University, paintings, through Feb. 24. Guyana artifacts, SuperMud Masterworks and NCECA Invitational, Finger Exhibit and Ceramic Studio Photo Exhibit.

Kern Commons Gallery: Contemporary Photographers VI, through Feb. 24.

Museum of Art: open noon-5 p.m. daily, closed Mondays. Free tours, Sunday, 1:30 p.m. Watercolors and drawings from the permanent collection, William Dole, a retrospective exhibit of collages 1958-1978; Contemporary Japanese Pottery.

Pattee Galleries: exhibition on the Black Experience, Rare Books Room, Foyer.

Robeson Cultural Center: exhibition on the Black Experience.

Zoller Gallery: open 9 a.m.-5 p.m. weekdays, noon-5 p.m. weekends. SuperMud Student Invitational.

WPSX Highlights

Academy Award-winning or nominated short subject films are showcased in a new ten-part series, *Academy Leaders*, which premieres Saturday, Feb. 17, at 10:30 p.m. Veteran writer, producer, and director Norman Corwin introduces the collection of short films from around the world. Featured on the first one-hour program is the Oscar-winning animation, *Great*, which tells the story of one pioneer of the industrial revolution.

Two groups of people who still live in the shadow of the Vietnam War are studied in the February edition of *F.Y.I., Legacies of Vietnam*, Sunday, Feb. 18, at 8 p.m. The one-hour special visits veterans who still suffering from the effects of "Agent Orange," a defoliant used during the war. In the second part, the program looks at the problems of Indo-Chinese refugees now living in Louisiana.

Sunday, Feb. 18, at 9 p.m., *Masterpiece Theatre* presents *The Simple Life*, an ironic tale about a middle-aged London couple with a stale marriage. He can't wait to escape to their country cottage; she can't wait to escape from it. The presentation is part of *Country Matters*, a collection of stories by H.E. Bates and A.E. Coppard.

Cinema Showcase, Sunday, Feb. 18, at 10 p.m., features the 1977 suspense thriller *Man on the Roof* by Swedish filmmaker Bo Widerberg (who also directed *Elvira Madigan*). The story follows the efforts of Stockholm police to capture a terrorist sniper who has been systematically killing members of the police force.

Transition: A Governor Takes Office, Tuesday, Feb. 20, at 8 p.m., examines the transfer of Pennsylvania's administrative power from Governor Milton Shapp to Governor Richard Thornburgh.

One couple's experiences with the Lamaze method of childbirth is documented Tuesday, Feb. 20, at 10 p.m. on *All for One*, produced in Allentown.

Leonard Bernstein conducts Beethoven's only opera, *Fidelio*, Wednesday, Feb. 21, at 8 p.m., on *Great Performances*.

Support staff pool needed for projects

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short, temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, and chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Libraries term break schedule

During term break, the University Libraries will observe the following schedule:

Monday, Feb. 26 — 7:45 a.m. to 10 p.m.

Tuesday-Friday, Feb. 27-March 2 — 7:45 a.m. to 5 p.m.

Saturday-Sunday, March 3-4 — closed.

Monday-Wednesday, March 5-7 — 7:45 a.m. to 5 p.m.

Regular hours will be resumed

Thursday, March 8. Pollock Library will be closed from Feb. 27 through March 7. Pattee's Reserve Reading Room will be open until 2 a.m. Feb. 20-25.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Feb. 22, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

MANAGER OF MATERIALS HANDLING — COLLEGE OF MEDICINE, Hershey — Responsible to the Associate Provost for Administration for administering the purchasing, receiving, storing, and distribution program of the Medical Center, to include both the hospital and the college. Responsible for developing a purchasing program in accordance with the principles established by The Pennsylvania State

University. Bachelor's degree, preferably in business administration or related field, plus four to seven years of directly related experience, preferably in hospital purchasing, inventory, materials control and handling.

ACCOUNTANT, COST — COLLEGE OF MEDICINE, Hershey — Responsible to the Senior Cost and Reimbursement Accountant for the preparation of all third-party cost reports and cost studies and maintenance of controls on third-party accounts receivable. A bachelor's degree in accounting or equivalent, plus two to three years of experience in hospital cost reporting or hospital auditing.

COORDINATOR, INTERNAL MEDICINE RESIDENCY PROGRAM — COLLEGE OF MEDICINE, Hershey — Responsible to the Program Director for the day-to-day administration of the primary care internal medicine residency training program. A bachelor's degree in business administration or equivalency, plus one to two years of directly related experience.

Report of Subcommittee on Retention and Transfer



BACKGROUND

Retention and Transfer Guidelines for restrictive requirements for entrance and/or retention to/in either a major or program for academic reasons were passed by the Senate implementation by Summer of 1978. . . . These guidelines also included academic criteria to be used when non-academic or administrative restrictions were requested for retention and transfer. The Retention and Transfer Legislation was proposed to assure that all students would have equity in access to programs and retention in programs. Thus, a student will have an equal opportunity with all other students in changing from one college to another, seeking entrance to a major, changing from one major to another, or transferring from the Division of Undergraduate Studies to a college or major. A Retention and Transfer Subcommittee of the Senate Committee for Undergraduate Instruction was established to review and approve all requests for more restrictive requirements than Policies 39-30 and 54-56 in *Academic Policies and Procedures for Undergraduate Students*. The subcommittee is composed of members from Undergraduate Instruction, Curricular Affairs, and Admissions, Records, and Scheduling. The Retention and Transfer Committee shall review requirements for transfer from (1) college or DUS to a major, (2) college or DUS to a college or major, (3) major to a major, Retention and Transfer requirements for DUS are defined by Senate Policies 39-30 and 54-56.

The Undergraduate Instruction Committee and Subcommittee on Retention and Transfer reaffirms the Guidelines and Procedures for Implementation as passed by the Senate (4-4-78) and IP4 of the *Academic Administrative Policies and Procedures Manual*.

RATIONALE

This informational report is presented to clarify some of the implementation guidelines and to answer some of the most frequently asked questions about the procedures. The Retention and Transfer Committee wishes to emphasize that requests for restrictive transfer and retention standards must have a sound academic rationale with supporting data to justify the additional standards. The Committee supports the abolition of "hidden" restrictions and endorses the open reporting of necessary academic requirements for retention and transfer. When it is more important than ever to attract and retain well-qualified students, the standards of University programs must be academically meaningful, equitable for all students and well-publicized for educational planning purposes.

ADDITIONAL GUIDELINES

1. Requests sent to the Curricular Affairs Committee relative to entrance, retention, and transfer requirements are automatically sent to the Retention and Transfer Committee if more restrictive requirements are requested than those defined in Policy 39-30 and Policy 54-56.
2. Requests for additional restrictive academic requirements for retention and transfer will appear as a yellow attachment to the Blue Sheets of the Curricular Affairs Committee after review for adherence to Senate Guidelines by the Retention and Transfer Committee. These requirements if approved by the Retention and Transfer Committee shall be included in the University Bulletin and transmitted to the Division of Undergraduate Studies Academic Information Support System for dissemination to all advisers of the University.
3. Requests for restrictions on retention and transfer based on space and monetary reasons (administrative), when proposed by a program faculty and approved by the Dean of the College in which the program is located, will be considered for approval by the Vice President for Undergraduate Studies after consultation with the Provost. Academic criteria used in the selection of students will be approved by the Senate Committee for Undergraduate Instruction. When administrative approval has been given, the plan, including academic criteria, will be published as a yellow attachment to the Blue Sheets of the Curricular Affairs Committee for informational purposes, and will be included in the University Bulletin and transmitted to the Division of Undergraduate Studies Academic Information Support System for dissemination to all advisers of the University.
4. Departmental Honors Programs under Policy 65-00, and the Bachelor of Philosophy Degree Program, are not covered under these guidelines.
5. Programs that presently have restrictive requirements for retention and transfer and which are published in the Undergraduate Catalog will remain in effect until the end of

Spring Term, 1980, at which time the 1980-81 Catalog will be available. (Deadline for submission of changes in the Catalog is May 1979 Curricular Affairs Blue Sheet.) Restrictive requirements are not in effect and will not appear in the Undergraduate Catalog unless approval has been obtained in accordance with these guidelines. Restrictive requirements approved under these guidelines will appear first in the 1980-81 Catalog. Request for approval of restrictive requirements for retention and transfer may be forwarded to the Senate Curriculum Recorder immediately. If the request is approved it will be advertised as above including the effective date of implementation.

Extended Degree programs as well as Resident Degree programs are covered by these guidelines.

SUBCOMMITTEE ON RETENTION AND TRANSFER

Paul E. Bell
E. Emory Encosore, Jr.
Warren R. Haffner (Resource)
Daryl K. Hesley
Richard L. McCall, Chairman
Paul R. Shellenberger
Harvey W. Wall

Guidelines for Implementation of Academic Policies and Procedures for Undergraduate Students

The University Faculty Senate, in Policy 37-30 and Policy 54-56, established the minimum requirement for entrance to a college or major or retention in a program. If a program faculty wishes to request a more restrictive academic requirement than that approved by the Senate, this more restrictive requirement must be approved by the dean of that college. The dean shall then submit the proposal for more restrictive academic requirements to the Committee on Undergraduate Instruction, through the Senate Curriculum Recorder, for approval by the dean of that college. The dean and reported to the University faculty through the Blue Sheets of Curricular Affairs. The approved restrictive requirements for entrance and/or retention in a given college or major will be publicized in the University Catalog and through the Academic Information Bulletin system of the Division of Undergraduate Studies.

In endorsing the more restrictive academic requirements for entrance and/or retention, the Committee on Undergraduate Instruction will use the following general principles as a guide:

1. Entrance requirements for retention requirements need not be the same. A student may be required to perform at a higher level for entrance than for retention.
2. The more restrictive requirements should be based on evidence of a student's ability to meet the future course requirements of the program. These additional requirements must be easily definable and should not require measurements that are not normally generated in a student's academic record. If application of more restrictive academic requirements must involve the approval of a committee or some other type of selection process, as in certain cases of entrance and/or retention, then the criteria for selection must be clearly stated and made available to the student.

Some of the criteria that might be used include:

- a. grade point average for all courses taken at Penn State
- b. grade point average in courses prescribed by the major or college in Senate approved programs of study
- c. grades in specific courses prescribed for the program of study and considered as essential requirements for further academic degree programs

Data shall be supplied to show how the more restrictive requirements relate to the student's ability to meet the future course requirements of the program.

3. More restrictive requirements may not be used:

- a. as a device to establish "elitist" programs or to establish "honors" type programs, unless they are recognized by the University as honors programs
- b. as a device for rationing the number of graduates or entrants to an occupational category
- c. as a device for setting enrollment restrictions because of limits on instructional resources. If such restrictions are necessary, the proper

procedure is to request an enrollment ceiling through the Provost's Office. d. as an additional graduation requirement.

4. If more restrictive academic retention requirements are requested, there are several additional principles that must be considered:
 - a. there must be some time reference included in the requirement (for example, a certain GPA by a certain term);
 - b. these additional requirements should be based on a forecast of the student's ability to complete the course requirements of the program;
 - c. the requirement should not be a de facto graduation requirement.

This Senate Report also incorporates two sections from the *Academic Administrative Policies and Procedures Manual*. They are IP-4, "Closing or Controlling Enrollments in a College or a Major Program for Non-Academic Reasons"; and IA-10, "Closing or Controlling Admissions to a College."

Criteria to be Used in the Selection of Students for Entrance to Colleges or to Majors when Enrollment Restrictions are Approved by the Department, Dean and Provost

When enrollment restrictions are approved by the department, dean and provost for entrance to a college or to a major, the criteria to be used for the selection of students are only to be those approved by the Senate Committee on Undergraduate Instruction. Generally, the committee approves a list of academic characteristics or variables that can be used to select students under enrollment restrictions. A plan by a college or department to limit enrollments may utilize these listed factors in any combination but no other attributes of students may be included as part of the selection criteria without explicit prior approval by the

Senate Committee on Undergraduate Instruction. A proposal to limit enrollments in a college or major should include an identification of which of the generally approved factors are to be included as criteria and how they are to be utilized in the selection process.

1. Grade point average for all courses taken at Penn State
2. Grade point average in courses prescribed by the major or college in Senate approved programs of study
3. Grades in specific courses prescribed for the program of study and considered as essential requirements for further normal degree programs
4. In accordance with the entrance to major categories as defined in the *Senate Record*, June 1977, the current status of students with reference to their classification as a nondegree student, provisional student, advance standing admission candidate, admission candidate or if a degree candidate, the current college or division of enrollment

These general categories of criteria to be used in the selection of students for colleges or majors with enrollment restrictions are to be identified for the University community through a notification in the Blue Sheets disseminated by the Senate Committee on Curricular Affairs and a paragraph within the *Undergraduate Catalog*. When a particular proposal to employ enrollment restrictions for a college or a major is approved, the specific criteria and process to be used in the selection of students shall be made publicly available to students at all campus locations. The Academic Information Bulletin system provided by the Division of Undergraduate Studies will generally distribute to students and advisers a statement of the criteria and selection process for each approved enrollment restriction for entrance to a college or a major.

From the Press

The Dawn of Bohemianism: The Barbu Rebellion and Primitivism in Neoclassical France By George Levine. 163 pages. \$18.50.

This volume is a study of a group practicing social alienation while simultaneously attempting to forge its own aesthetic definition. The Barburs, or "bearded ones," emerged in 1800 as a rebellious group of young artists who signaled the first organized, deliberate alienation from society by a group of artists in the modern age. They presaged the better-known German Nazarenes and the English Pre-Raphaelites, as well as the 20th century beatniks and hippies.

Assertively utopian, the Barburs attempted stylistic innovations that influenced such later artists as Ingres and played a significant role in the evolution of early 19th-century French painting.

The author presents the efforts of the Barburs in the context of the fundamental changes affecting the image of the artist during the late 18th and early 19th centuries. The popular image of the artist often was a humiliating stereotype, and the real social and cultural position of the artists conflicted with official and literary recognition. The author's study of the Barburs came as a response to an undeniably false social condition.

Professor Levine is chairman of the department of art at the University of Maryland.

Philadelphia's First Fuel Crisis: Jacob Cist and the Developing Market for Pennsylvania Anthracite By H. Benjamin Powell. 167 pages. \$10.

A leading economic historian once said the development of the Pennsylvania anthracite coal industry was the single most important element in initiating the industrial revolution in the United States.

This book examines the prime mover in that development, Jacob Cist, whose entrepreneurship featured four essential principles: scientific knowledge of the product's sources and uses, managerial acumen in assessing capital needs, political realism in recognizing transportation requirements, and marketing skill in winning public acceptance.

Cist moved into his role as a hard coal pioneer in the first decade of the 19th century by forming a partnership with

Matthias Hollenbeck of Wilkes-Barre, the richest merchant and largest landlord in the State's northeastern corner. Cist invested in coal mines for both the local iron trade and for shipment to eastern seaboard cities.

The author describes the 1812 fuel crisis in Philadelphia, caused by a stoppage of English coal shipment and a British coastal blockade that inflated the price of Virginia coal, and explains how Cist and his associates met the crisis.

Dr. Pjowell, professor of history at Bloomsburg State College, was a consultant to the Pennsylvania Historical and Museum Commission in developing its Anthracite Museum.

New human subject research forms ready

A series of revised forms to be completed by investigators who wish to use human subjects have been released. Completed forms are required by the review committees that must approve such activities.

According to Dr. Roger L. Kerlin, executive secretary to the review committees, most changes stem from mandates of the Department of Health, Education, and Welfare.

For example, a statement regarding University policy on compensation and medical treatment for injured subjects has been added to the *informed consent form*, as required by DHEW. The new provision is necessary to clear all biomedical related projects and should be used in behavioral and social sciences studies where "physical injury is possible, even remotely."

The new informed consent form, Form A (requesting overall information for protection of human subjects), and the format for protocol are included in the packet being sent to University offices. Additional copies of these materials are available from the Secretariat for Protection of Human Subjects, Room 310 Willard Building.

Persons with questions should call Dr. Kerlin or Patricia Doud at 865-1775. Investigators and project directors at the Hershey Medical Center, however, have their separate regulations.

Penn State Intercom

Academic rating draws freshmen

Penn State's academic reputation is an increasingly important factor in attracting students, according to a survey of University freshmen.

"Good academic reputation" was cited by 67.7 percent of the responding University Park freshmen as a reason for choosing Penn State — compared to 64.9 percent last year and 59.3 percent two years ago.

Their responses were part of a nationwide survey of the 1978-79 freshman class of 565 institutions of higher learning, conducted by the American Council on Education and the UCLA Cooperative Institutional Research Program. About 77 percent of the University Park freshmen participated.

More than 80 percent of them said that Penn State was their first choice.

Low tuition is declining in its importance to Penn State students.

Seventeen percent listed it as a factor this year, compared to 23.3 percent last year.

While 73.6 percent of those surveyed

(Continued on page 4)

Behrend nursing program to close

Penn State announced Monday that, in view of Hamot Medical Center's decision to cut off financial support of the nursing program at Behrend College, the program will be discontinued at the end of Spring Term 1980. No currently enrolled students will be affected.

"When Hamot asked Penn State to start a two-year nursing program at Behrend, the Medical Center's Board of Trustees voted unanimously to . . . assure supplemental financial support for Behrend College of \$100,000 per year on a continuing basis," said President John W. Oswald.

In 1974, when the Behrend nursing program was begun, with financial support from Hamot, the Medical Center discontinued its own diploma program in nursing.

Last March, Hamot officials notified Penn State that the Medical Center's support of the program was being withdrawn, effective in March 1980.

"Penn State is unable to pick up Hamot's share of the cost of the nursing program, especially at a time when inflation is rising rapidly and the University is having its own severe financial problems," Dr. Oswald added. "We regret very much that elimination of this program is necessary."

Dr. Oswald emphasized that the decision on the nursing program in no way lessens Penn State's strong commitment to Behrend College. "We will continue to provide quality education to its students and to be responsive to the needs of the Erie area," Dr. Oswald said.

In a letter to Donald S. Leslie, Jr., president of Hamot's Board of Trustees, Dr. Oswald noted that the joint venture with Hamot has been "a valuable and fruitful one." To date, the program has graduated 60 registered nurses. He noted that other nursing programs in the Erie region may meet "the challenge of supplying the flow of nurses at the associate degree level."

Tercentenary choral work commissioned

Penn State has commissioned Pulitzer Prize-winning composer Dominick Argento to create a major choral work for the University Chorus in commemoration of the Tercentenary of the founding of Pennsylvania by William Penn, an event to be celebrated in the Commonwealth in 1982.

Mr. Argento, a Pennsylvania native, will deliver the score to the University by September 1980. It will be premiered at Penn State, with Raymond Brown, professor of music and director of the choirs as conductor, at an as yet undetermined time during the 1981-82 academic year.

The work has been commissioned through the University's Institute for the Arts and Humanistic Studies, of which Prof. Brown is a Fellow. According to Institute Director Stanley Weintraub, Prof. Brown was instrumental in the formulation and development of the project.

"We believe that this undertaking will involve faculty and students in a project with a high purpose and lasting results, a project appropriate to the occasion and tailored to our capabilities for achievement," Dr. Weintraub said.

The Argento work is the second major choral piece commissioned by the University for public anniversaries. In 1976 the University premiered a Bicentennial operatic work, *Be Glad Then America*, by John La Montaine.

That production featured the University Choirs and the Pittsburgh Symphony Orchestra, with Sarah Caldwell as artistic director.

Mr. Argento, 52, was born in York, Pa., and studied composition at the Peabody Conservatory in Baltimore.

A Fulbright fellowship took him to Italy after graduation from Peabody and during a second year of study there in 1957, under a Guggenheim Fellowship; the first of several he has been awarded, he composed

Colonel Jonathan the Saint, his first full-length opera.

He has taught theory and composition at the Hampton Institute and at the Eastman School of Music. Since 1958 he has been a member of the faculty of the Department of Music of the University of Minnesota.

Mr. Argento's most recent opera, *Miss Harnisham's Fire*, commissioned for Beverly Hills, will receive its world premiere by the New York City Opera on March 22.

His other operas include *The Poor*, *Christopher Sly*, *The Masque of Angels*, *Postcard from Morocco*, *A Waterbird Talk* and *The Voyage of Edgar Allan Poe*.

While Mr. Argento's principal interest is in opera, his Pulitzer Prize, awarded in 1975, came for a song cycle, *From the Diary of Virginia Woolf*.

Other choral works include *Jonah and the Whale*, *Tria Carmina Paschalia*, *A Nation of Cowslips* and *The Revelation of St. John the Divine*.

1980s' Task Forces have compiled their initial reports

The chairpersons of the four task forces appointed to assess the factors which will affect Penn State during the decade of the '80s presented oral progress reports to the Educational Policy Committee of the Board of Trustees last month. The statements are too lengthy to be reprinted in their entirety, but the following edited transcripts summarize the major points.

The Task Force will be concluding their reports by the end of March for presentation to the Steering Committee and to the Educational Policy Committee. Consultations with various constituencies throughout the University community will continue during Spring Term to provide further background to the Steering Committee before it begins to draft its report on perspectives for the '80s.

Task Force I has concerned itself with Purposes, Programs and Priorities. Provost Edward D. Eddy, standing in for the original chairman, Dr. Thomas Larson, who is now on leave from the University as the new head of PennDOT, presented an overview of the Task Force's preliminary report.

The attempt has been made by Task Force I to define Penn State's purposes and missions and the recognition is made at the outset that the University could be altered substantially during the next ten years. . . . The changing conditions are most notably, of course, the

changing patterns of enrollment, changing types of students, program duplication both within the institution and outside the institution, within the state and within the nation, and the changing needs and interests of both society and the students who enroll at Penn State.

Such key phrases emerge in the initial drafts of the report as "excellence entails selectivity." That's probably the most important phrase thus far in the statement on mission. . . . However

... 'excellence entails selectivity.' That's probably the most important phrase thus far.

sweeping its mandate, Penn State must limit and focus its efforts. It must offer many graduate, professional, undergraduate and service programs, but at the same time it must concentrate on those that are indispensable and those it can do exceedingly well. . . .

Eight areas have been addressed in the [preliminary mission statement] drafted by the Task Force. One is the statewide role of Penn State. . . . The second area is undergraduate instruction. The Task Force maintains that Penn State has a primary responsibility to offer superior undergraduate education at reasonable cost. That may indeed be the crux of the matter as much as anything else: how one is superior, at reasonable cost.

In view of the decline in numbers, the Task Force has found the necessity for a fresh look at

the potentialities of each of the Penn State campus locations. New patterns of education and of administrative organization may be both desirable and necessary. That's a generalization which has a good many sweeping and, at the same time, very substantial implications. New patterns both of education and of administrative organization at each of the campuses are implied.

The third area is in graduate studies. The Task Force is concerned about the current low ratio of graduate students to undergraduates and feels that this ratio should be increased. It also feels, as it did at the undergraduate level, that selectivity is imperative at the graduate level. We must build on programs in fields where Penn State is already strong. This means expanding some, eliminating others, and cutting across the boundaries which divide and separate the disciplines. Task Force I is also concerned — deeply concerned, passionately concerned — about research in the University. It perceives an erosion in the research effort at Penn State in recent years, and it feels that the trend must be reversed. There is a necessity to provide intellectual vitality through the research program which is absent if one is only teaching. There is also the necessity to maintain the highest quality in the faculty and to attract students of equal quality because of the extent of the research effort.

The fifth area is education for the professions. Penn State should not begin another program in the professions without a clear projection of having the resources available

(Continued on page 3)

Vice President's wife to visit campus for SuperMud

Joan Mondale will spend Feb. 28 and March 1 at University Park attending the 12th annual SuperMud conference. She will receive an award for her contributions to the arts and will also fire some pieces of her own raku pottery.

The Vice President's wife will be honored by the National Council for Education in the Ceramic Arts (NCECA), which is holding its annual meeting in conjunction with SuperMud.

The combined conference is expected to bring together more than 2,000 ceramics teachers, artists, craftsmen and students from throughout the United States and from Canada.

Mrs. Mondale's activities as a potter have been widely publicized, but she has

never had an opportunity to do raku pottery, according to David R. DonTigny, professor of art, who is helping coordinate arrangements for her visit as well as for the SuperMud Conference.

Mrs. Mondale is planning to bring along a number of pieces for firing — made from 250 pounds of clay which Prof. DonTigny has already sent her. The clay, a special mix prepared at the University, is capable of surviving heat shock.

The raku technique was brought to Japan in the 16th century by a Korean craftsman. The old Japanese pieces have a natural quality in tune with the clay and the philosophy of the tea ceremony for which they were made.

The raku technique used in this country

is a variation of the Japanese process. Special clay that will withstand heat shock is given a preliminary low temperature firing at 1600-1800° F to dry out the clay and dissolve organic impurities. The pieces receive a low fire glaze and are then put into a red hot kiln. When the glaze has bubbled and smoothed out, the pieces are removed and thrust into some organic material such as straw, sawdust or piles of leaves. The material reacts on the clay body — leaves, for example, may put a pattern on the glaze. The resulting smoke also reacts with the various oxides in the glaze, creating different effects and penetrating unglazed areas to leave a black finish. The pieces are then plunged into

(Continued on page 4)

Penn Staters



Dr. William E. Biles has been appointed professor and head of the Department of Industrial and Management Systems Engineering as of Jan. 1, succeeding Dr. Benjamin W. Nibel, who retired Dec. 31.

Dr. Biles, a registered professional engineer, had been a professor in the Department of Aerospace and Mechanical Engineering at the University of Notre Dame for seven years.

A native of Mobile, Ala., Dr. Biles received his B.S. in chemical engineering from Auburn University in 1960, his M.S. in industrial engineering from the University of Alabama in Huntsville in 1969, and his Ph.D. from Virginia Polytechnic Institute and State University in 1971.

Prior to joining the faculty at Notre Dame, Dr. Biles spent seven years with the Union Carbide and Thiokol Chemical Corporations in research and development activities. Co-author of a textbook, *Engineering Modeling and Computation*, he has published numerous articles in professional journals. Dr. Biles is noted for his work in systems simulation and optimization, and response surface methodology.

The London Yankees, the 29th book written by Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, has been chosen as a Book of the Month Club alternate selection. The book, which will be published by Harcourt Brace in mid-summer, is subtitled, "Portraits of American Artists and Writers in England, 1894-1914."

Dr. Paul J. Wuest, professor of plant pathology and Extension mushroom specialist, presented invited lectures at the University of Aston, Birmingham, and the University of Bath, Bath, England. Dr. Wuest discussed mushroom diseases and how stem may be used effectively in pasteurization as a component of mushroom farm hygiene. He also discussed his research on Verticillium disease.

Dr. Patrick Fischer, professor of computer science, and Dr. Satoshi Matsumura, professor and head of astronomy, are among the faculty members of the College of Science listed in the 1978-79 edition of Who's Who in the World.

Bookshelf

Nine Penn State faculty members or former faculty members are contributors to a new book, *The Study of Women: Enlarging Perspectives of Social Reality*, published this week by Harper & Row.

The book is a critique of various areas of study from a woman's scholarship perspective. It grew out of a team-taught introductory course in women's studies at Penn State.

It is expected to be used as a textbook in women's studies programs now being established at a number of universities. Among the disciplines examined are sociology, labor studies, literature, law,

psychology, physical education, religion and history.

According to Dr. Eloise C. Snyder, editor and a Penn State professor of sociology, the book is an attempt to determine what is learned about women from various areas of study, how valid that information is, what isn't learned, and how we can begin to improve upon what is being taught.

Contributors from Penn State are: Jessie Bernard, Research Scholar Honoris Causa in sociology; Denise L. Carmody, formerly at Penn State and now assistant professor of religious studies at Wichita State University; Dorothy V. Harris, professor of physical education; Beverly Lindsay, assistant professor in the Division of Educational Policy; Jane Madsen, associate professor of education; Audrey T. Rodgers, associate professor of English; Frieda S. Rozen, instructor in labor studies; and Carolyn W. Sherif, professor of psychology.

Research awards

Eighteen faculty members have been awarded research fellowships for Summer and Fall 1979-80 by the Institute for the Arts and Humanistic Studies. The recipients are:

Sigrid A.E. Christensen, instructor of art, to develop a large bronze outdoor sculpture; William J. Duiker III, professor of history, to study aspects of the educational system in the People's Republic of China; Caroline D. Eckhardt, associate professor of comparative literature and English, to do research in England for a monograph on a Middle English text, a *Prophetia Merlini* commentary.

George M. Enteen, associate professor of history, for research in Russia on Emelian Jaroslavl's, a figure in the 1930s' politics of the Stalinist faction; Joanne Zagst Feldman and Leonard Feldman, associate professors of music, to perform violin and 'cello programs in Leningrad and Vilnius, meet and work with Russian and Lithuanian composers and study music education methods in the USSR.

Anne Gibson, associate professor of theatre arts, to study the architecture and decorative arts of the Victorian and Edwardian periods; Christopher Johnstone, assistant professor of speech communication at Delaware County, to prepare a monograph, "Communication and Ethics in the Philosophy of John Dewey."

Daniel A. Montgomery, instructor of landscape architecture, to assess the visual impression made by various energy facilities in Pennsylvania; Bruce Murphy, assistant professor of political science, to study the "separation of powers" concept as it applies to extrajudicial activities of federal appellate court judges; Glyn P. Norton, associate professor of French, to study pedagogical programs as related to translation theory in Renaissance France.

Audrey Rodgers, associate professor of English, to study the role of women in William Carlos Williams' poetry; David J. Rubello, assistant professor of art, to prepare a series of large-scale paintings derived from the study of five Italian Renaissance compositions; Emily Toth, assistant professor of English, to continue research on a study in popular culture, "Peyton Place: The Legacy of Grace Metalious"; Joanne Trautmann, associate professor of English and humanities at Hershey, for research on the sixth and final volume of *The Letters of Virginia Woolf*.

Daniel Walden, professor of American studies, for research in London on the settlement patterns and immigrant Jewish cultures of London and New York between 1880 and 1915; Patricia A. Ward, assistant professor of French and comparative literature, to conduct research for a book, *Time in the Romantic Lyric*; and Rodelle Weintraub, assistant professor of English, to research Shaw's holograph manuscript drafts of *Captain Brassard's Conversion* for an edition to be part of a series on the early Shaw plays.

From the Press

The Book of True Love. By Juan Ruiz, Archbishop of Hita. A Bilingual Edition. Translation in verse and introduction by Saralyn R. Daly. Old Spanish edited by Anthony N. Zahareas. 454 pages, \$16.50 cloth, \$8.95 paper.

One of the great ironic moral comedies of the late Middle Ages, "Libro de Buen Amor" holds a place in Spanish literature comparable to that of Chaucer's "Canterbury Tales" in the English tradition. This edition presents, on facing pages, the Salamanca Old Spanish text (dated 1343) and the first English-language verse translation since 1933.

Ruiz's fictional autobiography is a treasury of fables and "fabliaux," mock heroic allegory, joyous parodies of churchly and legal ritual — all digressions to the hilarious tale of the persistent but abortive escapades of the author as lover.

A reader's guide follows the text and translation, as a means of avoiding line-by-line annotation, and an annotated bibliography leads to major critical themes and controversies still surrounding Ruiz. The introduction describes the poet's virtuosic display of poetic forms, which relate his work to the literature of medieval Europe, and appraises the poet's consciousness as one relevant to modern times.

Staff Vacancies

The following vacancies for positions classified as staff exceptor or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Mar. 1, 1979. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

AUDIOLOGIST — COLLEGE OF MEDICINE. **Hearby** Responsible to the Manager of Ambulatory Services and to the Chief, Division of Otorhinolaryngology for diagnosis, habilitative, and rehabilitative services, as well as personal research related to hearing impairments and defects. Master's degree in audiology, plus 1-2 years of directly related experience.

HDSIPAL RISK MANAGER/EQUIPMENT COORDINATOR — COLLEGE OF MEDICINE. **Hearby** Responsible to the Manager of Ambulatory Services for the control and management of hospital

WPSX Highlights

On Sunday, Feb. 25 at 8 p.m., a one-hour special, **Paul Jacobs and the Nuclear Gang**, explores the long-range health hazards of low-level radiation. Centering on the work of the late journalist Paul Jacobs, who began investigating the issue in 1957 at the time of the first above-ground tests in Nevada, the documentary also explores attempts by government officials to keep this information from the American public.

Jeremy Brett, Carolyn Courage, and Renee Asherton star in H.E. Bates' "An Aspidistra in Babylon," a Country Matters presentation Sunday, Feb. 25, at 9 p.m. on Masterpiece Theatre.

When oil and natural gas supplies begin to dwindle, what will replace them? The answer may be something that was discovered centuries ago, something that will never run out — pollution-free, comparatively safe hydrogen, which can be produced from virtually any source of primary energy. Monday, Feb. 26, at 8 p.m., on "The Invisible Flame," Nova examines this perpetual fuel.

An original black ballet and the traditional Mardi Gras extravaganza of music and dance celebrating the spirit of New Orleans are featured on "Fat Tuesday and All That Jazz," Tuesday, Feb. 27, at 8 p.m., on *In Performance at Wolf Trap*. The special is followed at 9:30 p.m. by

Dr. Daly is professor of English and linguistics at California State University, Los Angeles. Dr. Zahareas is professor of Spanish at the University of Minnesota.

German Poetry in the Age of the Enlightenment: From Brockes to Klopstock, by Robert M. Browning. 336 pages, \$16.00.

New light is cast on German intellectual and literary history in the 18th century through this critical analysis of poets usually neglected. The emphasis is on lyric and didactic poetry, and among the poets discussed are Haller, Gellert, Gleim, Uz, Goetz, Ewald von Kleist, Gottfried Arnold, Tersteegen, Zinzendorf, and Pyra.

By examining the poems themselves and the artists' own comments about their work, Professor Browning arrives at his conclusion — that the German Enlightenment poets deserve more serious attention than they have received in the past.

The author of five previous books including *German Baroque Poetry* and *German Poetry: A Critical Anthology*, Dr. Browning is the McEwen Professor of German at Hamilton College. He has been a visiting professor at five colleges and universities, and the recipient of a Senior Fellowship from the National Endowment for the Humanities.

equipment and the avoidance of institutional risk. A bachelor's degree in business administration or equivalency, plus 3 to 4 years of directly related experience.

INDUSTRIAL HYGIENIST — UNIVERSITY SAFETY. **University Park** Responsible for campus Industrial Hygiene Programs concerning the control of exposure to non-ionizing radiation, noise, chemicals, biohazard agents, pesticide surveillance, ventilation, heating conservation, lighting and heat stress evaluations. A master's degree in industrial hygiene or public health and more than one year and up to and including two years of directly related experience, or a bachelor's degree in biology, chemistry or industrial health and over two years up to and including four years of directly related experience.

NEWS/DIRECT MAIL COORDINATOR — COLLEGE OF AGRICULTURE. **University Park** Responsible to the Director of Agricultural Communications for the coordination and development of news stories and direct mail literature for the Pennsylvania State University Agricultural Extension Program, responsibility for records and reports, and coordination of and instruction in workshops for extension personnel. 4-H youth, faculty and students. Bachelor's degree or equivalent in journalism. English, speech, mass communications or similar discipline, plus 3 to 4 years of directly related experience in educational or commercial work sufficient to meet the criteria of professionalism in writing, editing and reporting is required. Master's degree highly desirable.

Always for Pleasure, an insider's look at Mardi Gras, from a jazz funeral to pre-Mardi Gras "practice" parades

As You Like It is the next presentation of *The Shakespeare Plays*, Wednesday, Feb. 28, at 8 p.m. Featured in the cast are Helet Miran (Rosaland), Anghared Rees (Celia), James Bolan (Touchstone), Brian Stinner (Orlando), Clive Francis (Oliver), and Richard Pasco (Jacques).

Thursday, March 1, at 8 p.m., Bill Moyet continues his series, **Bill Moyers' Journal**, with a profile of Dr. Wallace LaBaw, a Denver child psychiatrist who teaches the use of self-hypnosis or trance therapy as a means of relieving chronic pain, insomnia, hypertension, hemophilia, and other anxiety-related illnesses.

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Task Forces

(Continued from page 1)

to do it and without having a clear projection of demand.

The sixth area is Penn State as a cultural force enriching the quality of life and encouraging the creative instinct throughout the Commonwealth. The seventh is public service and public resources within the University. The wide scope of public service of the University is not well understood and its potential for greater service is not sufficiently comprehended.

And finally, the eighth area is the University as a force for constructive change. And I would say . . . that this is the least clearly defined area at the present time. . . . I think the Task Force must grapple with change in the University itself before we describe the University as a force for change in society.

There is also a subcommittee on scope and balance. . . . There are five general recommendations for determining Penn State's scope and balance. . . . The University needs to become more expert at the processes of program development, evaluation and termination; generally speaking, it needs to be placed on research and graduate study; the University should give priority to those programs of special benefit to Pennsylvania; the minimum University in terms of graduate and undergraduate programs should be defined; and the modes of operation and the missions of the various campuses need to be adjusted in light of the changing conditions. The tentative conclusion of this particular subcommittee is that we lack at the present time the ability to terminate programs. This is probably one of Penn State's biggest current barriers to improved quality and progress. . . . They have asked six questions to be put to the program. 1. Is it strong in faculty competence and student performance? 2. Does it contribute to the state's research and graduate education? 3. Is it of special benefit to Pennsylvania? 4. Is it essential to a minimum university? 5. Does it meet a need of society and thus, will it draw sufficient students to guarantee the commitments which will have to be made to faculty? (and 6. Where else and with what degree of quality is it offered in the Commonwealth?)

Dean Robert Scannell of the College of Health, Physical Education and Recreation is chairman of Task Force II, which is concerned with Students and Society.

. . . We have defined our task as having three goals. . . .

. . . the first question . . . is to determine the most appropriate planning ranges of the projected enrollment of the University for our various geographical and organizational units. There is a corollary or subordinate question to that which attempts to determine to what extent those projections, or projected ranges, will be modified if various policy decisions are made, if various programs are altered, or if various missions are changed. . . .

Our questions address organizational patterns [as they] relate to academic programming. How can, or should, organizational patterns be modified in order to accommodate the enrollments predicted for the next decade and to facilitate the type of appropriate new programs which might be necessary to serve the society of the '80s? . . . The question deals with curriculum. As now stated, it . . . what changes can be made in our curricular patterns to assure we meet the needs of our students and of society.

We have primarily focused on enrollment. . . . the age 18 population group in Pennsylvania will drop by approximately a third between 1977 and 1990. This is a certainty because the size of that population in 1990 was determined by the birthrate in 1972. . . . Therefore, we have been able to begin our work with the relative certainty that this group, which is the prime group from which our traditional students have been drawn, will be declining.

Our variable is the key variable that we have been looking at. That is, the participation rate — the percentage of the 18-year-old group that plans to go to college. . . . The rate of participation increased steadily nationally and in Pennsylvania since World War II. A few years ago it was over 50% nationally and in the mid-40s range in Pennsylvania. . . . However . . . this is a very critical point . . . that rate ceased its increase about three years ago, and now it appears to have either stabilized or begun a decline. The trend is not clear. . . .

Now, if you combine . . . (1) the historic relationship of the enrollment trend, (2) with the size of the age group, (3) along with the decline or stability in the participation rate in the size of the group itself . . . you can conclude that our 18-year-old applicant pool will drop by at least 33% and may drop by as much as 60% in the next decade.

That is overly simple, because the real problem now is to determine what this type of systemic change means to this University and to its various parts. And we are now focusing on questions which include the following: Since the Commonwealth Campuses . . . primarily serve well-defined geographic areas with very different populations, how will the general trend apply to the various geographical parts of the University? To what extent is the trend modified by the fact that the University Park applicant pool greatly exceeds capacity at this time? To what extent would recruiting modify the situation? What are the likely enrollment patterns in groups other than the 18-year-old population? Although the 18-year-old group is the single largest group, other such as adult continuing education students or graduate students are major components of the University. What is the likely pattern of support in development in areas where activity levels are not related to enrollment, such areas as our research effort or extension services? . . .

“ . . . the decade of the '80s will not be one in which institutions can predict enrollment more than a year or two in advance.”

Finally, perhaps the most complex question is the question of how, once we answer the other pieces, will we deal with the constant shifting of student interests in colleges, majors, and courses within a University whose pattern will either be stable or decline in its overall size and overall budget? . . . We foresee an environment in which . . . some units are growing, others are declining, and some units are in a stable state. The problem of dealing with that is going to be extremely complex.

. . . what we are going to be able to do is project probable ranges in enrollments and then to point out many factors which must be considered to determine our ultimate place within those ranges. In the enrollment question itself we have reached one sure conclusion: That it is that the decade of the '80s will not be one in which institutions will be able to predict enrollment with certainty more than a year or two in advance.

Dr. Carol B. Cartwright, associate professor of education is the chairman of Task Force III, Faculty and Staff.

. . . The Task Force has concentrated on three major themes . . . first, the distribution of faculty and staff resources; second, the relationship of rewards to performance; and third, professional development.

As a Task Force, we decided it was very important to provide opportunities for extensive input from people throughout the University community. Therefore, we conducted a series of open hearings [in November]. . . . While the actual number of people who attended at the hearings was fairly small . . . many people came representing a larger group. We felt there was a good deal of representation for faculty and staff across the University. . . .

. . . Our final report will include recommendations about managing the size, distribution, and mix of Penn State's faculty and staff resources. We will consider variables such as age, rank, sex, ethnic group membership, tenure status, academic discipline, location, full-time versus part-time appointments, and continuing versus shorter term appointments in recommending criteria and principles to follow in obtaining a better match between the faculty, staff, and program needs of the University.

“Penn State's faculty is already doing more with less.”

In addition to continually adjusting this match, we must be sensitive to new demands but we will do it with fewer faculty and staff. Penn State's faculty is already doing more with less. We need more faculty in those areas in which there is high student demand — nursing and business, for example. But Penn State actually has 102 fewer faculty members now than in 1972. Add to this information the fact that enrollment has increased from about 47,000 in 1972 to nearly 53,000 in 1978.

This brings us to the second major topic — that of the reward system and the highly complex related topic of evaluating performance. Salary is part of this reward system. We also need to identify and use other visible nonmonetary rewards and incentives. Assuming these rewards and incentives are identified, we must grapple with the problem of how to award them.

Obviously this will need to be tied to

productivity and ways to measure it. . . . What are the criteria to be used in assessing productivity, e.g., research accomplishments, scholarly activity, advising students, competence in teaching, community service, service to the University, to the college? Are there priorities that should be established among these criteria? If so, which should receive highest priority? And who will decide? What part of the evaluation process must in the final analysis always be judgmental? . . .

Our third major concern is professional development. Many people say that the faculty we have now is essentially the faculty that will be at Penn State in the '80s. . . . at Penn State the percentage of tenured faculty has been increasing very slightly from about 50% in 1974 to 58% in 1978.

Another factor is the decreased mobility of faculty across the nation. . . . Some sources estimate that mobility on a national basis has shifted from close to 10% in the 1960s to as low as 1.5% currently.

Another factor to consider is retirement and the possible effects of new retirement laws. . . . We know from looking at information about retirement for the past several years that at Penn State of those who retire at age 60 or later, 46% of the faculty retire at the mandatory age. We are not yet sure how external factors over which we have very little control — inflation, for example — will influence a person's decision about retirement in the future. According to a recent report by the American Council on Education, the recent changes in the Federal Retirement Law could result in about two-thirds fewer openings for new faculty members nationwide from 1983 to 1990.

We are convinced that the quality of the University in the 1980s will depend in large measure on the vitality and energy of the people who are here, but we also recognize that the University must take steps to insure this vitality through a variety of creative professional development activities. . . . Like others, we are seeking answers to many specific questions about professional development. Should it be required or merely encouraged? Who is expected to pay for some professional development? What are different ways of accomplishing professional development? How does the climate for research affect professional development? And probably one of the most critical questions, is it realistic to reorient careers at midlife? . . .

Task Force III is . . . dealing with people and because they are often changes that are unpredictable, we must always view our conclusions and projections with some healthy skepticism.

Task Force IV, Resources and Supporting Services, is led by John W. Malone Jr., professor and head of the Department of Agricultural Economics and Rural Sociology.

Our Task Force during the past few months has been involved in studying two major areas. We have developed projections of income and expenditures for Penn State's general funds budget through the 1980s. . . . We are also identifying criteria for use in evaluating academic programs in "support services" including academic, student and institutional services. Given these projections of financial resources available, such criteria are needed for making judgments about resource allocation for existing and new programs.

The Task Force has developed and is evaluating three budget projection alternatives or models. . . . The basic assumption underlying the models relates to resident instruction enrollments.

With all indicators pointing to stable or declining enrollments, one should expect that our models will not be highly optimistic regarding growth. One model, which we have dubbed "pessimistic," assumes a cumulative decline in Penn State's enrollment of 28% by 1990 and compares enrollment projections of a 30% decline by 1990 in high school graduates in the State of Pennsylvania. That is our "pessimistic model" with regard to enrollments.

The more optimistic model assumes a cumulative decline in enrollments of only 10% by 1990.

A model thought to be more realistic by a number of our Task Forces members is termed a "competitive" model. This assumes a cumulative reduction in enrollments of 18% by 1990. Now what do we mean by the term "competitive"? We mean that Penn State will need actively to recruit students in order not to exceed that 18% enrollment decline. . . . We feel that this model is the one we will use during our committee meetings over the next couple of months. . . .

Other assumptions related to major budget categories for these models are tied closely to an inflation rate of 7 to 8%. We may have to change that.

The budget income categories include State appropriations, tuition and federal funding,

expenditures include personnel compensation and operating costs.

Outcomes for all three models indicate annual budget gaps or shortfalls. . . .

The Task Force has identified major policy variables which may be adjusted in order to balance the budget. Some of the potential budget gaps or shortfalls may be covered through a reduction in the number of personnel as a result of orderly attrition. . . . We will be attempting to use some of the historical data on faculty retirements and resignations to try to get some idea of the faculty flowing during the '80s.

Policy variables that may be adjusted internally to the University include tuition, personnel compensation and personnel composition (i.e., such ratios as student-faculty, academic to nonacademic personnel, standing academic appointments to nonstanding appointments, tenure policy and early retirement).

In discussing, for example, the revenue side of the budget, we want to look at alternative levels of tuition and the impact on the operating budget. . . . the responsiveness of [groups of] students to changes in tuition. . . . so considering tuition as a variable. . . . when talking about changing tuition and the response regarding enrollments and programs.

We also will be looking at the possibility of differential tuitions or fees according to type of program and even according to location. When we talk about personnel compensation, we will be looking at different levels of compensation and the impacts on the operating budget.

“There are tradeoffs between quality of program and trying to be cost-effective.”

The models we have developed will be used to get some quantitative measure so we will have an idea of where we are going over the planning period. . . . We can explore the implications of change. For example, what will be the effect to cost of changing student-faculty ratios? As we increase those ratios, what impact will it have on those who run the academic program? On students? What impact, in turn, would that have on the operating budget? We can look at early retirement. It may well be that there are faculty members who, as they get toward the retirement age, would prefer an incentive system which in turn would allow the University to recruit new, younger faculty members. Since personnel accounts for approximately 80% of the expenditure side of the University budget, policy in this area will obviously be of major importance down the road.

There are many areas that we will have to consider here that there are tradeoffs. There are tradeoffs between quality of program and trying to be cost-effective. When you are looking at policy variables and their impacts on budgets, you have also to be concerned about the quality of the program as you change or have induced changes in some of these policies. On the income side of the budget, new policies are needed to increase revenue from State, Federal and private sources. For example, in Penn State's revenue, about 3% is comprised from private giving. This is compared to private universities in which about 9% of the revenue comes from private giving. . . .

We also should be looking at ways to improve appropriations at the State level. For example, the latest report has indicated that the State appropriation per Penn State student was \$350 less than the average for students in four-year public colleges and universities. Now you just multiply that \$350 times 50,000 students and you are talking about a difference of \$17.5 million dollars! This could go some way toward taking care of some of the shortfalls that we have predicted. . . .

We hope also to make some recommendations for developing and improving strategies for obtaining research funds.

Finally, given the recognition that personnel compensation accounts for approximately 80% of the expenditure side of the operating budget, there is the need to evaluate supporting services. Here we are talking about services such as student affairs, health, recreation, academic services, library, computation centers, general administrative expense and physical plant.

One of the concerns we have on our Task Force is identifying which costs are fixed and which are variable. This has very important implications, because if you have fixed costs in support services, no matter whether your enrollment declines or not, those costs are still there. . . . Our Task Force will be prepared to make recommendations concerning criteria and procedures for the effective delivery of these supporting services.

News in Brief

Choirs hailed in Pittsburgh performance

The University Choirs, under the direction of Raymond Brown, professor of music, were hailed by the critics for their performance with Andre Previn and the Pittsburgh Symphony Orchestra in *Carmina Burana* on Feb. 8 at Heinz Hall in Pittsburgh.

Carl Apono, music editor of the Pittsburgh Press, wrote: "When the Penn State singers are in town, I find myself behaving like a cheerleader on behalf of this superlative group. Singing with simplicity and conviction, they created an atmosphere that was exciting and uplifting."

"Every phrase and accent is shaped with astonishing finish and delicacy. The texture is fine, clear. And when they go full throttle, the tone is rounded and never of a forced quality."

"These honey-toned choristers were breath-takingly well-drilled and disciplined by their director Raymond Brown. Their talent, knowledge and respect for this music combined to make this one of the finest I have heard in the work."

And Post-Gazette reviewer Robert Croan concurred: "A major factor in the success of *Carmina Burana* was the accomplished choral singing of the Pennsylvania State University Choirs..."

Hershey opens new emergency service lab

A new emergency service laboratory to provide rapid test results has opened at the Milton S. Hershey Medical Center.

"Laboratory test results can help the patient only if these results aid the physician in making a more accurate diagnosis or selecting more effective treatment," said Dr. Arthur F. Krieg, professor of pathology and chief of the division of clinical laboratories. "In the case of critically ill patients, the results are useful only if they reach the physician in time to make these necessary decisions. The new laboratory will greatly improve service to emergency, surgical and critical care patients."

The laboratory is located in the ambulatory care center, accessible to the emergency care unit and connected to the operating suite and critical care complex by intercom and pneumatic tube systems for rapid relay of messages, specimens and results. It will be staffed 24 hours a day.

"By centralizing our emergency laboratory service in one area, we can reduce costs by eliminating duplication of personnel and equipment," said J. Knox Singleton, hospital director.

Automated equipment in this laboratory includes two Instrumentation Laboratories blood gas analyzers, a DuPont ACA automated chemistry analyzer, a Coulter S machine for automated complete blood counts and a Clay Adams Ultraflo platelet counter.

Women in Science panel to be offered March 5

Dr. Rosemary Schraer, assistant provost, will moderate a panel, "Women in Science," when Women's Forum meets at noon on Monday, March 5, in the Walnut Building.

Panelists will be Dr. Mary McCammon, associate professor of mathematics, and Dr. Andrea Mastro and Dr. Carol V. Gay, both research associates in biochemistry and biophysics. Dr. Schraer is a professor of biochemistry.

No issue during term break

INTERCOM will not be published during the term break. The next issue will appear Thursday, March 8, and will contain the Spring Term Calendar.



Michael Holroyd

British biographer is Spring Term Fellow

Michael Holroyd, a British author who has won widespread critical acclaim for his biographies of Hugh Kingsmill, Lytton Strachey and Augustus John, will be a Visiting Fellow of the Institute for the Arts and Humanistic Studies during Spring Term.

Mr. Holroyd will teach an English Honors course on English biography and a graduate seminar on the literature of "Bloomsbury" — that of Virginia Woolf and her circle.

He will also present two public talks, one on "Shaw's Women" on March 20, and a second on "Biography vs. History" at the April 10 Comparative Literature Luncheon. Details will appear in the relevant weekly INTERCOM calendars.

Mr. Holroyd is currently at work on a biography of Shaw.

Swim Relay participants wanted

The annual Faculty-Staff-Grad Student Swim Relay will be held Saturday, March 31, at the Natatorium, beginning at 7 a.m. and ending about 9 p.m. Each of the 25 participants will swim one mile.

Any member of the faculty or staff or any graduate student may volunteer to participate, but the number is limited to 25. Contact Dave Gostine at 237-7683 or Sid Barnard at 865-5491 to enter your application.

Housing Referral Service for those going on leave

Faculty who have been granted leaves of absence and are interested in renting their houses during the period they will be away are reminded that there is a University Housing Referral Service.

A division of the Faculty Women's Club, the service, for a nominal fee, will list homes for rent. Inquiries are being handled at 238-3628.

Library spaces available

Members of the faculty who wish to obtain Study Space Assignments in Pattee Library for the Spring Term should note that the assignments will be made on a first-come, first-served basis beginning at 7:30 a.m., Monday, March 5, in Room 106 Central Pattee. There are only 33 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

Feb. 28 seminar on instructional modules

Faculty interested in the design and use of instructional modules are reminded that the University Division of Instructional Services is sponsoring a three-hour orientation seminar on the subject at 1:30 p.m. Wednesday, Feb. 28, in Room 128 Mitchell Building. More detailed information appeared in last week's INTERCOM and is also available by calling 865-7675.

Mrs. Mondale

(Continued from page 1)

water to cool them.

Mrs. Mondale will be accompanied by two friends with whom she pots, and the guests will receive a raku demonstration and participate in the firing of their pots. According to Prof. Don Tigny, Mrs. Mondale has expressed a desire to meet some of the artists attending the conference and has stressed that she wants to be present as a potter and not in her official capacity.

Mrs. Mondale will also tour the various exhibits being held in conjunction with the meeting. These include the SuperMud

Because the conference is being held over term break when dormitory housing is unavailable and many Penn State students are out of town, anyone who is willing to offer sleeping accommodations to student conference registrants is urged to contact the ceramics lab in the Art Department at 865-6412. Visiting students will bring their own bedding.

Student Invitational, featuring works by ceramic students representing schools across the country. That show is currently on exhibition through March 18 in the Zoller Gallery.

The HUB Museum gallery is housing the SuperMud Masterworks Exhibition, which this year features the work of ceramists Doug Baldwin, Ken Ferguson, Lois Hennessey, Tony Hepburn, Curt Hoard, Ken Little, Dick Norkin, Patti Warashina and Betty Woodman.

Also scheduled for HUB galleries are three NCEA exhibitions, an Invitational, a "Hall of Fame" Finger Exhibit, and a Ceramic Studio Photo Exhibit.

The "Hall of Fame" exhibit, which is described as a "fun" show by its sponsors, consists of casts of well-known potters' fingers.

The NCEA Ceramic Studio Photo Exhibit, a two-part photographic survey of clay studios, will consist of a display of invitational photographs and a group of signed studio photos contributed by NCEA members as they arrive at the conference.

In conjunction with the conference, the Museum of Art will present an exhibition of 26 Contemporary Japanese Pottery through April 15.

Academic rating

(Continued from page 1)

nationally said they were going to college to "get a better job," 79.1 percent at Penn State gave this reason.

Although Penn State freshmen come from families with median incomes slightly below the national norm, the trend for the last three years shows the University moving steadily toward the norm. Parents also are more highly educated than ever. Fathers of 51 percent of Penn State's freshmen have at least one college degree; the figure is the same nationally. For mothers, the figures are 29 percent at University Park, 32 percent elsewhere.

The most frequently cited occupations of fathers at Penn State are businessman and engineer. Skilled and semi-skilled workers are the parents of more (17 versus 12 percent) freshmen at Penn State than at other institutions.

The data showed that Penn State freshmen are younger than other schools' (92.4 percent, 18 or younger, compared to 84 percent) and tended to come from farther away to campus.

This year's survey, for the first time, included information about handicapped students. Penn State, as well as other schools, identified 2.3 percent of freshmen as handicapped.

Overall, the survey showed the differences between Penn State and other freshmen are less pronounced this year than earlier. The family backgrounds, income levels and reasons for coming to college for PSU freshmen are nearer to national norms than ever.

Calendar

Feb. 22-March 8

Special Events

Thursday, Feb. 22

Final examinations, through Feb. 26.

Saturday, Feb. 24

Engineers Week Banquet, 7 p.m., Nittany Lion Inn. James M. Beattie, dean, College of Agriculture, on "Can Technology Solve the Food Crisis?"

Tuesday, Feb. 27

Gallery Talk, 10:30 a.m., Museum of Art.

William Dole, artist, discusses his work.

Remise Halls close, 3 p.m.

Sports: women's basketball, vs. Lock Haven, 7 p.m.

Wednesday, Feb. 28

UDIS Seminar, "Design and Use of Instructional Modules," 1:30-4:30 p.m., Room 128 Mitchell.

Two Cultures Dialogue, "Alternate Approaches to Health and Healing," noon, Room 101 Kern.

Thursday, March 1

Neutron Activation Analysis Workshop, 8:30-5 p.m., Breazeale Nuclear Reactor. March 2 also.

Sports: men's swimming and diving, 1979 Eastern Intercollegiate Championships, through March 3, trials, noon, finals, 7:30 p.m., Natatorium.

Saturday, March 3

Winter Term Commencement, 10:30 a.m., Rec. Bldg.

Sports: men's fencing, vs. Carnegie-Mellon, 1 p.m.

Sunday, March 4

Student arrival date for Spring Term. Residence Halls open 10 a.m.

Monday, March 5

Women's Forum panel discussion, "Women in Science," noon, Walnut Bldg. Rosemary Schraer, assistant provost, moderator, and panelists Mary McCammon, mathematics, Andrea Mastro and Carol V. Gay, research associates in biochemistry and biophysics.

Tuesday, March 6

Registration for Spring Term, 8 a.m.-5 p.m., M. Bldg. March 7 also.

Fixed date for meetings involving Commonwealth Campus faculty. University Faculty Senate meeting, 1:10 p.m., Room 112 Kern.

Thursday, March 8

Spring Term classes begin, 8 a.m.

Seminars

Tuesday, Feb. 27

Physics, Charles Sinclair, SLAC, on "Parity Violation in Inelastic Electron Scattering," 3:50 p.m., Room 117 Osmond.

Thursday, March 8

Chemistry, A. Henglein, Hahn-Meitner Institut für Kernforschung, Berlin, on "Reaction of Free Radicals at Large Carriers in Solution," 12:45 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Harold McWhinnie, ceramics and lithographs, Feb. 26-March 3.

HUB Gallery: Frank Smith, "Buck Skins," paintings, through Feb. 24; artifacts from Guyana, through Feb. 27; SuperMud Masterworks and NCEA Invitational, Finger Exhibit and Ceramic Studio Photo Exhibit, through March 3.

Kern Commons Gallery: Contemporary Photographers VII, through Feb. 24; Czechoslovakian Folk Art, through March 2; Folk Art and Crafts: The Deep South, opens March 3.

Museum of Art: William Dole: A Retrospective Exhibition of Colours, 1958-1978, through Feb. 27; watercolors and drawings from the permanent collection, through March 4; Contemporary Japanese Pottery.

Pattee Galleries: exhibition on the Black Experience, Rare Books Room and Foret, through Feb. 24.

Robeson Cultural Center: exhibition on the Black Experience, through Feb. 24.

Zoller Gallery: SuperMud Student Invitational.

Penn State Intercom

Nominations for University awards sought

President Oswald has appointed a general committee chaired by Richard E. Grubb to coordinate the solicitation of nominations for three all-University awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, and the Barash Award for Human Service.

As in previous years, three subcommittees will screen nominations and develop recommendations for the respective awards. Members of the Wilkinson Award Subcommittee are Doris M. Seward, chairperson, Richard E. Grubb, and Gladys Richie. Members of the Donkin Award Subcommittee are Ray T. Fortunato, chairperson, Philip A. Klein, and Robert C. Quinn. Members of the Barash Award Subcommittee are Della Durant, chairperson, Jay Claster, Sidney Friedman, Terry Hissey, and Henry Yeagley.

Nominations for the 1979 awards are encouraged from either organizations or individuals in both the University and community and are to be sent to Richard E. Grubb, 203-C Old Main no later than March 30. The supporting information which accompanies nominations should be as brief as possible and must emphasize those qualifications and activities relevant to the particular award for which the individual is being nominated.

A brief description of the qualifications for each award follows:

The McKay Donkin Award
The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend and a certificate, is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the

(Continued on page 6)



On campus last week for the annual SuperMud Conference, Joan Mondale was intrigued by this "Tasteless Teapot," created by Kay Thomas of Arizona State University for the show of student work at Zoller Gallery. Mrs. Mondale, a serious potter herself, participated in a firing of rakuware.



Houston Ballet to perform 'Sleeping Beauty'

The Houston Ballet will make its debut at Penn State with Tchaikovsky's *The Sleeping Beauty*, to be presented at 8:30 p.m. on Friday, March 16, and Saturday, March 17, and at 3 p.m. Sunday, March 18. All performances, under the aegis of the Artists Series, will be held in Eisenhower Auditorium.

The Houston Ballet's appearance will mark the first time that a full-length ballet with orchestra has been performed at the University.

The company will bring its own Houston Ballet Orchestra, led by James Slater, the new resident conductor who previously worked for the London Festival Ballet.

The Houston Ballet Company, recently referred to in Anna Kisselgoff's New York Times article as "a model of what is possibly the American ballet company of the future," was created only 11 years ago. It has been well-received throughout the United States.

The Friday evening performance is sold out by subscription. Tickets for the two remaining performances will go on sale from March 13 through March 16, from 9 a.m. to 4 p.m., in the Eisenhower Auditorium box office and the Artists Series HUB Booth. Phone orders on Master Charge and Visa may be placed by calling 863-0255, from 9 a.m. to 4 p.m. March 13-16.

Light timers replaced with wall switches

The majority of light timers in classrooms at the University have been replaced with standard wall switches during term break, according to Ralph E. Zilly, vice-president for business and chairman of the Executive Energy Conservation Committee.

"The energy committee is making this move with reluctance," he says. "The incidence of vandalism has been so high that in the past 3½ years, 1,900 of the timers or their knobs have had to be replaced."

Apparently, the major complaint of faculty and students is the ticking noise generated by the timers, Mr. Zilly says. The President's Faculty Advisory Committee and the Classroom Committee have also recommended they be removed.

Timers were installed in approximately 225 classrooms in 1975, according to J. Carroll Dean, manager of energy

The first two sections of the legislative report submitted Tuesday by the Subcommittee on Part-Time Faculty to the University Faculty Senate appear on pages 5 and 6 in today's INTERCOM.

conservation programs. The project cost \$6,000.

"It had long been obvious to janitorial personnel, as well as others, that lights were not turned off at the end of classes," he says. "This extravagance was not a sometimes thing but the rule rather than the exception."

It was estimated that light timers would save two hours of lighting energy per day in each classroom at University Park.

"Light timers were seen as having two advantages," Mr. Dean notes. "They would undoubtedly save money, but probably more significant than the limited savings was their value as symbols to the

(Continued on page 6)

News in Brief

Conference on women scheduled for April 7

"A Woman's Place Is Everywhere," a day-long conference by, for and about women, will be held at the University Park Campus on Saturday, April 7.

The two featured speakers for the event will be Virginia Thornburgh, wife of Pennsylvania Gov. Richard Thornburgh, and Dr. Jessie R. Bernard, of Washington, D.C., eminent sociologist and writer. A variety of workshops dealing with issues and interests of women will be conducted by University faculty and alumnae.

Conference registration begins at 8:30 a.m., April 7, with workshops concluding at 4 p.m. A \$15 registration fee is required to cover program costs, luncheon and refreshments. For more information on the program, which is open to all interested women, call Heather R. Gilbert, assistant executive director of the Penn State

Alumni Association, 105 Old Main, at 865-6517.

Dr. Kao to present first Kollias Lecture

Frederick M. Kao, M.D., Ph.D., professor of physiology at the State University of New York, Downstate Medical Center, Brooklyn, will deliver the first James Kollias Memorial Lecture at 1:30 p.m. Friday, March 9, in 121 Noll Laboratory. His topic is "Studies of the Regulation of Respiration Including during Exercise."

The lecture honors the memory of Dr. James Kollias, a former associate professor of applied physiology in the College of Health, Physical Education and Recreation at Penn State, who was vitally interested in both respiratory and exercise physiology.

Washington tour planned

The Paul Robeson Cultural Center is sponsoring a two-day cultural trip to Washington, D.C., on Saturday, March

24, and Sunday, March 25. The tour offers visits to the Hirshhorn Museum and Sculpture Garden, the National Air and Space Museum, the National College of Art, the National Museum of History and Technology, and the Museum of African Art.

Cost of the trip is \$24.50 per person, and the fee includes round-trip bus transportation, hotel accommodations (multiple occupancy), and free baggage handling. For further information and reservations, call 865-1779.

Publications Referral moves

The Penn State Publications Information Referral Service has changed location. The office is now located at E-105 Pattee. The new phone number is 865-6368.

Faculty members with new or revised lists of publications are requested to send them to the new address.

(Continued on page 6)

Penn Staters



Dr. B.R. Baumgardt, professor of animal nutrition, has been named associate dean for research and associate director of the Agricultural Experiment Station at the University. He succeeds Dr. Walter I. Thomas, who retired.

Prior to his appointment, Dr. Baumgardt was head of the Department of Dairy and Animal Science in the College of Agriculture.

He has been on the Penn State faculty since 1967, when he was named professor of animal nutrition. He became head of the Department of Animal Science in 1970 and head of the combined Department of Dairy and Animal Science in 1975.

His major research interests have focused on forage utilization, dairy cattle nutrition, and control of food intake, with emphasis on ruminant animals. He has taught in the areas of animal nutrition and feeding and in the field of physiology.

A native of Lafayette, Ind., Dr. Baumgardt earned his bachelor's and master's degrees at Purdue University, where he held a Ralston Purina Research Fellowship. He earned his Ph.D. in agricultural biochemistry-nutrition at Rutgers University in 1959.

He served on the faculty at the University of Wisconsin until 1967, when he came to Penn State. In 1966, he was selected by the American Dairy Science Association as recipient of its annual award for research in dairy cattle nutrition.

Dr. Baumgardt has served on the editorial boards of the *Journal of Nutrition* and the *Journal of Dairy Science*. He served for three years on the committee for animal nutrition within the National Research Council of the National Academy of Sciences. He is a member of the Board of Scientific Advisers for Animal Health of Merck and Company, Rahway, N.J.

Pennsylvania State University Berks Campus Scholarly Activity Grants were recently awarded to five faculty members involved in four separate scholastic projects.

Dr. Ruth G. Bodorff, assistant professor of chemistry, received \$290 which will be used to expand a study in progress concerning chemical backgrounds, basic skills, attitudes and progress of freshman chemistry students.

Dr. Robert E. Brown and Willie M. Frankhouser Jr., assistant professors of psychology, received a grant of \$300 for research entitled "Life Stress and College Achievement."

Dr. Stanley D. Furrow, assistant professor of chemistry, received \$175 for research on the "Kinetic Study of the Reaction of Cerium (IV) with Iodomalonic Acid."

Dr. Stevan S.T. Yee, assistant professor of philosophy, received \$236 for research entitled "Science, Technology and Society Cognition."

The Penn State-Capitol Campus Fund for Research has awarded a \$500 grant to Dr. Elaine Ader Friedrich, assistant professor of social science and political science, in support of her project, "The Consequences of Electoral Defeat versus Retirement for Congressional Change."

Dr. Robert Stefanko, professor of mining engineering and associate dean for continuing education services in the College of Earth and Mineral Sciences, has been installed as 1979 president of the Society of Mining Engineers. The SME is a 24,500-member national organization of engineers engaged in the mining industries. Dr. Stefanko has directed pioneering research in mine roof support, mine electrical systems and ventilation, the use of diesel-powered equipment in underground coal mines, and the commercial recovery of gas from coal seams prior to mining.

Dr. Stuart Forth, dean of University Libraries, who was recently elected vice-president and president-elect of the Pennsylvania Library Association, has assumed office for a two-year term on the resignation of the president. The association, numbering nearly 3000 members, is composed of academic, public, school and special librarians and is one of the larger state associations in the country.

Dr. Stanley O. Ikenberry, senior vice president and president-elect of the Association for Gerontology in Higher Education, being held through March 10 in Washington, D.C. His topic was "Beyond Academic Departments: An Expanding Role of Centers and Institutes in Higher Education." Dr. Dennis R. Hamelster, research associate in human development at The Gerontology Center, is serving as chairman of the annual meeting.

Dr. Norman Freed, assistant dean for resident instruction in the College of Science and associate professor of physics, recently presented a series of invited lectures at Rensselaer Polytechnic Institute and the Bates Linear Accelerator at the Massachusetts Institute of Technology. He discussed pion electroproduction from the nucleon and from nuclear systems.

Bookshelf

Jane B. McFall, senior assistant librarian, Life Sciences, is the editor of a unique reference work, an index to the United States Department of Agriculture statistical publications in series for commodity, input, or product data appearing in the last decade.

Agricultural Commodities Index, published by Oryx Press (\$95), provides ready access to a substantial portion of historical data and indicates which series will likely contain supportive current data. The detailed analysis of the information enables the user to locate a specific commodity or product, to identify major inputs and other data elements, and to determine the broadly statistical and geographic coverage of the publication.

It is intended for any person beginning a data search in the fields of food and agriculture. Consumers, field workers in agriculture, researchers and other personnel in the areas of agri-business, marketing, food and agricultural economics, can use this index as an invaluable, time-saving reference.

Dr. Donald B. Keat II, professor of education and coordinator of the elementary school counseling option in the Division of Counseling and Educational Psychology, is the author of *Multimodal Therapy with Children* recently published by Pergamon Press in its General Psychology Series.

The book presents a comprehensive approach to assessment methods and treatment strategies designed for use with children, adolescents, and parents. The intended audience is counseling or child psychologists, teachers, and elementary school counselors.

Pattee adopts new fine schedule

Editor's note: The following has been received from the University Libraries.

In the January 1976 issue of *College and Research Libraries*, Peter Drucker, professor of social sciences at the Claremont Graduate School, stated that "all [library] users leave disorder in their wake because they are not concerned with costs but only with their own needs."

In an attempt to impose a little order on the chaos caused by delinquent, and thus costly, borrowing at Pattee and branches, measures to ensure the prompt return of borrowed material have become effective with the outset of the Spring Term. The use of these materials is expected to make materials for borrowing more readily available to all users in the academic community.

For regular loans on the automated circulation system, a reminder note will be sent to the borrower whose materials have become overdue. If this reminder is not heeded and the materials are not returned or renewed, and after the Libraries' records are checked and the stacks searched, a notice of presumed loss will be sent and a \$3 search fee assessed on each overdue item to recover some of the costs incurred by the Libraries.

If the item is not returned, the cost of its replacement and a \$12 processing fee will be levied.

Borrowers are reminded that when they are returning overdue items, they should bring them to the attention of library

personnel at the point of return. This will ensure proper correction of the records. If fees are not paid at this time, a further notice will have to be generated and sent out, with a fee of \$1. These measures have been adopted simply to recover extra costs caused by delinquent borrowers and to replace the fines system used in the manual system.

As a further step to ensure that materials are returned promptly and therefore are more readily available to other users, a simplified uniform fines schedule for overdue course reserves, special permission loans, and materials recalled for course reserves and personal reserves for other borrowers has become effective at Pattee and branches with the beginning of Spring Term. "Special permission" refers to pamphlets, bound and unbound periodicals, reference works and other items which do not normally circulate.

The policy which has been in effect on an experimental basis at the main Lending Services desk only for those borrowers subject to fines in the past will now apply to all borrowers. The fines schedule is: \$1 charge for the first day or portion thereof; \$2 for each additional day or portion thereof up to and including the fifth day, when the fine reaches \$9. At that time the items become subject to the procedures based on notice of presumed loss.

There will be a further announcement on procedures associated with the changeover next week.

Edward Anders to deliver Priestley Lectures

Dr. Edward Anders, an expert in the chemistry of the moon and in the study of meteorites, will present the 1979 series of Priestley Lectures at the University next week.

The four lectures on "Chemical Processes in the Early Solar System" are open to the public free of charge. They are sponsored by the Mu Chapter of Phi Lambda Upsilon chemical honorary and the College of Science.

The lectures, to be offered March 12, 13, 14, and 15 at 8 p.m. in Room 119 Osmond Laboratory, are titled *Earliest History of the Solar System as Inferred from Meteorites*; *Origin of Organic Compounds in Meteorites*; *Composition and Origin of the Inner Planets*; and *Was There a Superheavy Element in Meteorites?*

Dr. Anders is Horace B. Horton Professor of Physical Science in the Department of Chemistry and in the Enrico Fermi Institute at the University of Chicago. His research focuses on reconstructing the early history of the solar system through studies of meteorites and lunar rocks. A leading investigator in the Apollo program, he was one of six principal investigators of lunar materials. He has evolved a theory on the beginning of life that holds that organic matter was made in the earliest days of the solar system when meteorites and planets separated from the solar nebula. Organic compounds are, in his view, an inevitable byproduct of planet formation.

He is a member of the National Academy of Sciences and has earned



Dr. Anders

numerous awards and honors including the Newcomb Cleveland Prize of the American Association for the Advancement of Science, the J. Lawrence Smith Medal of the National Academy of Sciences, the Medal for Exceptional Scientific Achievement from NASA, and the Frederick C. Leonard Medal of the Meteorological Society.

The Priestley Lectures were established in 1926 by the late Professor Wheeler P. Davey. The series is named in honor of the 18th century chemist, Joseph Priestley, discoverer of oxygen.

Seminars for the week of March 12-16

Tuesday, March 13
Computer Science, Michael Sipser, UC/Berkeley, on "Nonterminism and the Size of Two-Way Finite Automata," 10:30 a.m., Room 325 Whitmore.
Biology, Ed Stevens, microbiology and cell biology, on "Nitrogen Metabolism in Blue Green Algae," 11:10 a.m., Room 111 Mueller.
Organic Chemistry, J.J. Villafranca, chemistry, on "Bioorganic, Bioinorganic, Biophysical and Bioanalytical Studies of Glutamine Synthetase," 12:45 p.m., Room 333 Whitmore.
Computer Center/Committee on Interactive Computer Requirements, Bernard A. Galler, Univ. of Michigan, on "Interactive Com-

puting in a Large University," 7:30 p.m., Room 108 Forum.

Wednesday, March 14
Sigma Delta Epsilon, Mary Keith, food science, on "Home Canning for Vitamin Retention and Safety," 12:45 noon, Room 101 A Kern.

Thursday, March 15
Chemistry, Robert Field, MIT, on "Double Resonance and Stimulated Emission Spectroscopy," 12:45 p.m., Room 333 Whitmore.

Physics, Michael J. Mumma, Goddard Space Flight Center, on "Recent Progress in Sub-Doppler Infrared Spectroscopy of the Atmospheres of Mars and Venus," 3:50 p.m., Room 117 Osmond.

University Park Calendar

Spring Term 1979

Thursday, March 8

HUB Craft Center course registration, Room 312 HUB, through March 18.
sign up for University garden plot, Room 305 Kern, through April 13. Information, 865-9061.

National Nutrition Week Lecture, 7:30 p.m., HUB Assembly Hall. Deborah Faul, food advertising expert, on "Public Relations and the Food Industry."

Friday, March 9

ARHS Book Co-op, 9 a.m.-5 p.m., HUB Ballroom.

Human Performance Lab. James Kollias Memorial Lecture, 1:30 p.m., Room 121 Noll. Frederick M. Kao, SUNY, Downstate Medical Center, on "Studies of the Regulation of Respiration Including During Exercise."

Commonplace Theatre, *The Pink Panther Strikes Again*, 7 and 9 p.m., Room 112 Kern. Also March 11.

Saturday, March 10

Artists Series, Prince Street Players, *Alice in Wonderland*, 11 a.m. and 2 p.m., Schwab. Sports: men's and women's bowling, vs. Maryland, 1 p.m.; men's volleyball, vs. Army, 7 p.m.

France Cinema, *Mr. Klein*, 7 and 9 p.m., Room 112 Kern. Also March 12.

Sunday, March 11

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Robert Boyer, United Ministry, PSU, speaker.

Week of March 12

Monday, March 12

Commonwealth Campus faculty, March Conference, through March 15.
College of Science, Priestley Lecture, 8 p.m., Room 119 Osmond. Edward Anders, Enrico Fermi Institute, Univ. of Chicago, on "Earliest History of the Solar System as Inferred from Meteorites."

Tuesday, March 13

Gallery Talk, 10:30 a.m., Museum of Art. C.C. Wang, contemporary Chinese artist, will speak.

PS Credit Union Board meeting, noon, Telephone Bldg.

Artists Series film, *Singing in the Rain*, 8 p.m., Schwab.

Priestley Lecture, 8 p.m., Room 119 Osmond. Edward Anders on "Origin of Organic Compounds in Meteorites."

Wednesday, March 14

Unclaimed bicycle sale, noon, Salvage Warehouse.

Priestley Lecture, 8 p.m., Room 119 Osmond. Edward Anders on "Composition and Origin of the Inner Planets."

Thursday, March 15

Faculty Women's Club Lecture, 1:15 p.m., Eisenhower Memorial Lounge. James M. Beattie, dean, College of Agriculture, on "How Shall We Feed Them?"

Commonplace Theatre, *Lenny*, 7 and 9 p.m., Room 112 Kern. Also March 16.

Priestley Lecture, 8 p.m., Room 119 Osmond. Edward Anders on "Was There a Superheavy Element in Meteorites?"

Friday, March 16

German Dept/Journalism Lecture, 4 p.m., Room 101 Kern. Manfred Rehbinder, Univ. of Munich, on "Legal Problems in the Mass Media."

Artists Series, Houston Ballet, *Sleeping Beauty*, 8:30 p.m., Eisenhower Auditorium. March 17, 8:30 p.m. March 18, 3 p.m.

Saturday, March 17

France Cinema, *That Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern. Also March 18.

Sunday, March 18

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Graham Hales, Religious Activities, Univ. of Southern Mississippi, speaker.

Free U. Spring Term registration, 12 noon-6 p.m., HUB Ballroom.

Week of March 19

Monday, March 19

Late registration deadline.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Steven Smith, piano recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 20

Gallery Talk, 10:30 a.m., Museum of Art. Walton J. Lord, art history, on "Chinese Painting through Western Eyes."
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Peter Gould, geography, on "An Algebra for Television."
Comp. Lit. Film Series, *Devil*, 7 and 9 p.m., Room 112 Kern.
Public Lecture, 8 p.m., Room 101 Kern. Michael Holroyd, visiting fellow, IAHS and English biographer and critic, on "Shaw's Women."

Wednesday, March 21

Artists Series film, *La Ronde*, 8 p.m., Schwab.
Alard Stirling Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Friday, March 23

Board of Trustees meeting, Hershey.
Sports: men's tennis, vs. Howard, 3 p.m.
Commonplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. Also March 25.
HUB Concert, Bob Ortiz and Winterwood, 8 p.m., HUB Ballroom. Free.

Saturday, March 24

Board of Trustees meeting, Hershey.
Sports: women's fencing, vs. Cornell, William Paterson and Indiana (Pa.), 10 a.m.
France Cinema, *12th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern. Also March 26.

Sunday, March 25

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Canon Kermit Lloyd, Episcopal Diocese of Central Pa., speaker.
Sports: men's tennis, vs. Swarthmore, 12 noon.
Phi Mu Alpha Jazz Band Concert, 2 p.m., Music Bldg. Recital Hall.

Week of March 26

Monday, March 26

Pass-Fail.
Tuesday, March 27
Pass-Fail.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Lynn Miller, speech communication, on "Ensemble Performance of Natalie Sarrault's Tropisms."
Comp. Lit. Film Series, *Mahanagar*, 7 and 9 p.m., Room 112 Kern.

History of Photography Lecture, 8 p.m., Room 101 Kern. Weston Naef, curator of photography, The Metropolitan Museum of Art, New York, on "The Stieglitz Collection."

Wednesday, March 28

Drop deadline.
Preregistration deadline for Summer Term. Pass-Fail.
Course repeat deadline.
Oversize Page, flute recital, 8:30 p.m., Music Bldg. Recital Hall.



Thursday, March 29

Sports: baseball, vs. Bloomsburg (2), 1 p.m.; women's lacrosse, vs. Temple, 3 p.m.
History of Photography Lecture, 8 p.m., Room 101 Kern. Gisele Freund, French Federation of Creative Photographers, on "Photography and Society."

Friday, March 30

Sports: women's gymnastics, ALAW Championships, through March 31; women's tennis, vs. Trenton State, 6 p.m.
Commonplace Theatre, *Harold and Maude*, 7 and 9 p.m., Room 112 Kern. Also April 1.
Artists Series, Irene Worth as "Women of Shakespeare and Chekhov," 8:30 p.m., Schwab.

Saturday, March 31

Faculty/Staff/Grad Student Swim Relay, 7 a.m.-9 p.m., Natatorium.
Sports: baseball, vs. St. Francis (2), 1 p.m.; women's tennis, vs. William and Mary, 1 p.m.
France Cinema, *False Movement*, 7 and 9 p.m., Room 112 Kern. Also April 2.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 1

Sports: women's tennis, vs. James Madison, 9 a.m.; baseball, vs. Duquesne, 1:30 p.m.
University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Leopold Krul, O.S.B., Catholic Center, PSU, speaker.

Week of April 2

Monday, April 2

London Bus tours of campus, weekdays, 1:30 and 2:30 p.m., HUB main entrance, through Aug. 17.
Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. William Starr, philosophy, on "Ethics, Applied Ethics, and Professional Ethics."

Tuesday, April 3

Fixed date for meetings involving Commonwealth Campus faculty.
Museum of Art Lecture, 10:30 a.m., Museum of Art. Larry Salmon, curator of textiles, Museum of Fine Arts, Boston, on "Legends of the Tree of Life."
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Earl Fritz, Spanish, Italian & Portuguese, speaker.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Comp. Lit. Film Series, *Les Biches*, 7 and 9 p.m., Room 112 Kern.
Archaeological Institute of America Illustrated Lecture, 8 p.m., HUB Assembly Hall. Donald H. Johnston, dean, College of Fine and Applied Arts, Rochester Institute of Technology, on "The Paleo-Ceramist at an Archaeological Site."
Artists Series film, *Prince Igor*, 8 p.m. Schwab.

Wednesday, April 4

Sports: baseball, vs. Lafayette, 3 p.m.
O'Clock Playwrights Theatre, Karen Gottenberg, *Time for a Vacation*, 5:30 p.m., The Pavilion Theatre.
Choral Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 5

Sports: men's lacrosse, vs. Delaware, 3 p.m.; men's tennis, vs. Pittsburgh, 3 p.m.
History of Photography Lecture, 8 p.m., Room 101 Kern. Karin Becker Ohn, Univ. of Iowa, on "The Photography of Dorotea Lange."

Friday, April 6

Sports: men's track, Nittany Lions Relays, through April 7.
College of Business Administration, William Elliott Lecture, 9:45 a.m., Room 112 Kern. Lawrence Fouraker, dean, Harvard Graduate School of Business Administration, on "Management's Need to be Accountable."

Commonsplace Theatre, *The Apple War*, 7 and 9 p.m., Room 112 Kern. Also April 8. Artists Series, Beverly Sills, soprano, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 7

Sports: softball, vs. Edinboro, Clarion, Lock Haven, 10 a.m.

France-Cinema, *Seduction of Mimi*, 7 and 9 p.m., Room 112 Kern. Also April 9.

Sunday, April 8

University Chapel Service, 11 a.m., Eisenhower Chapel. Palm Sunday Service of Interpretive Dance, Pat Hieggel-Tanner, director.

Sports: baseball, vs. West Chester, 1:30 p.m.

Week of April 9

Monday, April 9

Sports: men's tennis, vs. Navy, 3 p.m.

Tuesday, April 10

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Michael Holroyd, English biographer and critic, on "History Versus Biography."

PS Credit Union Board meeting, noon, Telephone Bldg.

Sports: men's golf, vs. Delaware and Bucknell, 1 p.m.; baseball, vs. Bucknell, 3 p.m.

Comp. Lit. Film Series, *The Hiding*, 7 and 9 p.m., Room 112 Kern.

Wednesday, April 11

Black Studies Spring Symposium, "Changing Perspectives on the Contemporary Black Woman: Education, Career, Family and Feminism," HUB North Lounge, through April 13.

Sports: men's tennis, vs. Colgate, 3 p.m.
O'Clock Playwrights' Theatre, Peter Hardy, *The Sunn Old Routine*, 5:30 p.m., The Pavilion Theatre. Also April 12 and 13.
Artists Series, The Waverly Consort, Music from the Elizabethan Period, 8:30 p.m., Schwab.

Thursday, April 12

Sports: softball, vs. Cortland (2), 1 p.m.; baseball, vs. Juniata, 3 p.m.; men's volleyball, vs. East Stroudsburg, 7 p.m.

Friday, April 13

Deadline to sign up for University garden plot, Room 305 Kern.

France-Cinema, *Cat and Mouse*, 7 and 9 p.m., Room 112 Kern. Also April 14.
Black Studies Spring Symposium, Vinie Burrows, internationally acclaimed actress, in "Sisters, Sisters," 8 p.m., Schwab.

Saturday, April 14

Sports: women's track, vs. Maryland, women's lacrosse, vs. I.M. Marsh; softball, vs. Ithaca (2), 1 p.m.; men's lacrosse, vs. Drexel, 7 p.m.; men's volleyball, vs. Springfield, 7 p.m.

Sunday, April 15

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. All-Faith Choir Easter Service, Tommie Irwin, director.

Week of April 16

Monday, April 16

Dept. of Microbiology and Cell Biology, R.W. Stone Seminar, 4 p.m., Room 112 Kern.
Baruch S. Blumberg, Nobel Laureate, The Institute for Cancer Research, Philadelphia, on "The Hepatitis B Virus and Its Environment."

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, April 17

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. John Balaban, English & comparative literature, on "The Creative Vietnamese: The Pleasures of Intricate Verse." Sports: softball, vs. East Stroudsburg (2), 2 p.m.; women's lacrosse, vs. Slippery Rock, 3 p.m.
Comp. Lit. Film Series, *Why Does Herr R. Run Amok?* 7 and 9 p.m., Room 112 Kern.

Wednesday, April 18

Faculty Women's Club Spring Luncheon and Fashion Show, 11:30 a.m., HUB Ballroom.
Sports: baseball, vs. West Virginia (2), 1:30 p.m. Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 19

Sports: women's lacrosse, vs. Lock Haven, 3 p.m.
Sigma Xi annual initiation, 7:30 p.m., Room 112 Kern.
Air Force ROTC Public Lecture, 8 p.m., Room 105 Forum. Charles C. Moskos, Jr., sociology, Northwestern Univ., on "The All-Volunteer Armed Forces After Six Years."

Friday, April 20

Sports: men's tennis, vs. Eastern Michigan, Kent State and Bowling Green, through April 21.

Interludio, Israeli Dance Workshop, with Ya'acov Eden, guest teacher, Room 132 White, through April 22.

Artists Series, Arthur Hall Afro-American Dance Company, 8:30 p.m., Eisenhower Auditorium.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 21

Sports: men's golf, vs. Alumni.

Sunday, April 22

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. William Lazareth, Division for Mission in North America, Lutheran Church, speaker.
Blue Band Concert, 3 p.m., Eisenhower Auditorium.

Week of April 23

Monday, April 23

Deadline for May graduates to deliver theses to Graduate School.
Philip Dettra, piano recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 24

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Glyn Norton, French, on "Panurge in the Temple of Venus Physiozoa: the Translative Energies of Word."

Sports: women's lacrosse, vs. Maryland, 3 p.m.; men's tennis, vs. Pennsylvania, 3 p.m.

Wednesday, April 25

Interdisciplinary Program, "Cross Cultural Differences in the Eastern Mediterranean World in the Middle Ages," Kern, through April 27.

Sports: baseball, vs. Navy, 3 p.m.
Artists Series film, *Viridiana*, 8 p.m., Schwab.
Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 26

Sports: men's tennis, vs. Bloomsburg, 3 p.m.
Un-Common Theatre preview, Jules Feiffer, *Hold Me*, 8 p.m., Room 112 Kern. Also April 27.

Friday, April 27

Phi Kappa Phi banquet and initiation, 5:30 p.m., HUB Ballroom.
Artists Series, Minnesota Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 28

Little International Livestock Show, 8 a.m.-5 p.m., University Beef and Sheep Center.
Sports: men's golf, Nittany Lion Invitational, through April 29; softball, vs. Ohio State, 2 p.m.; vs. Slippery Rock, 4 p.m.; men's lacrosse, vs. Hofstra, 7 p.m.
Un-Common Dinner Theatre, 6:30 p.m., *Hold Me*, 8 p.m., Rooms 102 and 112 Kern. Also April 29.

Sunday, April 29

Sports: softball, vs. Ohio State, 10:30 a.m.; men's tennis, vs. Maryland, 1 p.m.
University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Christian Athletes Fellowship.

Week of April 30

Monday, April 30

First day for signing Summer Term NDLSL and University Long Term Loans, Room 108 Shields.

France-Cinema, *Voyage to Grand Tairat*, 7 and 9 p.m., Room 112 Kern. Also May 2.
Interdisciplinary Symposium on Value, 7:30 p.m., place to be announced. Daniel Callahan, director, The Hastings Center, on "The Hastings Center Project on the Teaching of Ethics."

Penn State Glee Club and Ohio State of Michigan Glee Club, Joint Concert, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, May 1

Fixed date for meetings involving Commonwealth Campus faculty.

Red Cross Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Daniel Hoffman, poet in residence, U. Penn., on "The Belated Influence of French and Spanish Surrealism on American Poets."
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: softball, vs. Edinboro (2), 2 p.m.

IAHS visitor, Daniel Hoffman, poet and former poetry consultant to Library of Congress, reads from his own works, 8 p.m., Room 101 Kern.

Wednesday, May 2

Late drop deadline.
Last day for signing Spring Term NDLSL and University Long Term Loans, Room 108 Shields.

Red Cross Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom.

Sports: baseball, vs. Buffalo (2), 1:30 p.m.; men's lacrosse, vs. Loyola, 3 p.m.
Artists Series film, *It Happened One Night*, 8 p.m., Schwab.

Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 3

University Theatre, William Shakespeare, *A Midsummer Night's Dream*, 8 p.m., The Playhouse. Also May 4, 5, 8-12.

Friday, May 4

Sports: softball, AIAW Regional satellite, through May 5; men's tennis, vs. Mercyhurst, 3 p.m.

Commonsplace Theatre, *Hallowe'en*, 7 and 9 p.m., Room 112 Kern. Also May 6.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 5

Sports: women's golf, Lady Lion Invitational, through May 6.

Penn State Dairy Exposition, 8 a.m.-5 p.m., University Dairy Barns.

Blue-White Football Game, 2 p.m., Beaver Stadium.

France-Cinema, *Gaule's Anxiety at the Penalty Kick*, 7 and 9 p.m., Room 112 Kern. Also May 7.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 6

University Chapel Service, 11 a.m., Eisenhower Chapel. Rabbi Gary M. Klein, Temple Beth Israel, Altona, speaker.
Sports: men's tennis, vs. temple, 1 p.m.; baseball, vs. Pittsburg (2), 1:30 p.m.

Week of May 7

Monday, May 7

Sports: men's golf, NCAA District 2 Qualifier, through May 8.

Tuesday, May 8

PS Credit Union Board meeting, noon, Telephone Bldg.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Ernst Schurer, German, on "Gustav Grass: Germany's Voice of Conscience."

Sports: women's tennis, vs. West Chester, 3 p.m.
Artists Series film, Marx Brothers, *A Night at the Opera*, 8 p.m., Eisenhower Auditorium.

Wednesday, May 9

Sports: baseball, vs. Cornell (2), 1:30 p.m.; men's lacrosse, vs. Bucknell, 7 p.m.
White Band Concert, 7 p.m., Fisher Plaza.
Penn State Thespians, *Li'l Abner*, preview, 8 p.m., Schwab. Performances May 10 and 11, 8 p.m., May 12, 2 and 8 p.m.

Friday, May 11

Sports: women's tennis, EAIAW Championships, through May 13, women's lacrosse, USWLA College Division 1 Championships, through May 13; men's tennis, vs. Pittsburg, 3 p.m.
Commonsplace Theatre, *Macanaima*, 7 and 9 p.m., Room 112 Kern. Also May 13.

Saturday, May 12

Sports: baseball, vs. Temple, 1:30 p.m.; men's lacrosse, vs. Army, 7 p.m.
France-Cinema, *Les Zozos*, 7 and 9 p.m.; Room 112 Kern. Also May 14.
University Choir/Northeastern Philharmonic Orchestra, Verdi, *Requiem*, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 13

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Robert Morrill, executive asst. to the provost, speaker.

Penn State Glee Club, Mothers' Day Concert, 3 p.m., Schwab.
Penn State International Dancers performance, 3 p.m., Room 132 White.

Week of May 14

Wednesday, May 16

Last day for signing Spring Term Emergency Loans, Room 108 Shields.
Spring Term classes end, 9:55 p.m.

Thursday, May 17

Commonsplace Theatre, *Warner's Animation Festival, Part I*, 7 and 9 p.m., Room 112 Kern. Also May 20.

Friday, May 18

Commonsplace Theatre, *Casablanca*, 7 and 9 p.m., Room 112 Kern. Also May 19.

Saturday, May 19

Sports: women's track, Lady Lion Invitational

Week of May 21

Monday, May 21

Sports: men's track, Penn State Open. Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Thursday, May 24

Board of Trustees meeting, Keller Bldg.

Friday, May 25

Board of Trustees meeting, Keller Bldg.

Saturday, May 26

Spring Term Commencement, 10:30 a.m.

Exhibits

Chambers Gallery

Shirley Bernreuter, recent drawings and paintings, and John Ziegler, ceramics, March 8-28.

Art Education Undergraduate Students' Show, mixed media, April 30-May 16.

HUB Gallery

Art Alliance, multi media, March 8-31.
Leon Yost, photographs, March 17-April 17.
History of Photography Museums (Architecture), March 26-30.

Dotty Toome, drawings, and Hunt Speedball Calligraphy exhibit, April 1-30.

Mayheir exhibit, April 8-26.

Kern Commons Gallery

Folk Art and Crafts: The Deep South, through March 24.

Pennsylvania Guild of Craftsmen, mixed media, March 24-April 7.

BFA/MFA Printmaking Invitational, March 24-April 17.

Sylvia Rogers - Patchwork, April 7-21.
American Drawings II, original drawings by some of America's leading artists, April 17-May 1.

Photo/Graphics, printmakers using photography techniques in their work, April 17-18.

Alex Fletcher Memorial Art Center, travelling exhibit, Western Pa. art styles, April 29-May 27.

Lionel Reiss, etchings, May 2-21.

Museum of Art

Contemporary Japanese Pottery, French works and contemporary and antique ceramics from the permanent collection, through April 15.

Paintings by C.C. Wang and Chinese paintings and mounted rocks, March 11-May 6.

European works from the permanent collection, April 17-June 24.

The Intimate Worlds of Faust and Titolo, May 6-June 24.

Alumni Gift Is 1972-1979, May 13-June 10.

Pattee Library

Photographically Illustrated 19th Century Books, March 26-April 7, Rare Books Room.

Zoller Gallery

SuperMud Student Invitational, through March 15.

Zeigler show, March 24-April 15.

Under the aegis of the Faculty Affairs Committee, the Subcommittee on Part-Time Faculty submitted its legislative report to the University Faculty Senate during its March 6 meeting.

Sections I and II of the report appear below. Section III concerned "Issues Relating to Academic Programs," and Section IV regarded "Issues Relating to Rights, Status and Treatment." Section V, dealing with the Subcommittee's recommendations, will be published in next week's INTERCOM. Section VI contained the cost estimates associated with implementing the recommendations.

I. Introduction

Part-time faculty play an important role in the educational offerings of Penn State in both Resident Instruction and Continuing Education. For example, in the Fall Term 1976, 398 faculty in resident instruction were identified as part-time. Of these, 93 percent were paid from instructional funds. In continuing education most instruction for academic credit is carried out by part-time faculty, although some of these individuals are faculty who teach full-time in resident instruction as well. In the Fall Term 1976, 766 instructors in continuing education taught an average of 2.82 credits and produced 35,842 student credit hours.

Although part-time faculty members meet a variety of educational needs, most of them do not engage in the full range of activities of full-time faculty. For example, most are not assigned or expected to do academic advising, research or other scholarly activities. In this sense most, but by no means all, part-time faculty are not "scaled-down" versions of full-time faculty, even though they may do an excellent job at those tasks for which they were hired.

Largely because part-time faculty, particularly those at the Commonwealth Campuses, are involved primarily or solely in instructional activities, the Intra-University Relations Committee, in a report to the Senate in April 1976, expressed concern that the use of significant numbers of part-time faculty was leading or could lead to increased burdens for the full-time faculty, particularly in regard to advising and administrative tasks. The Committee also raised questions about the rights, status, and treatment of part-time faculty and recommended that a comprehensive study of part-time faculty be undertaken.

In September 1977, the Faculty Affairs Committee set up a subcommittee to obtain information about the extent to which part-time faculty were employed, to consider the academic impact of their use, and to examine and evaluate University policies pertaining to part-time faculty.

To begin with, it was necessary to identify who should be considered as part-time faculty. The University Faculty appointment categories described in PS-6 provided a basis for this identification. These categories include:

1. Standing appointments, which include tenure track full-time faculty positions;
2. Fixed-Term I appointments, which include full-time tenure ineligible positions with a specified ending date; and
3. Fixed-Term II appointments, which include:

- A) Appointments which are full-time but less than six calendar months or two terms; or
 - B) Less than full-time.
- Personnel in all of these categories can hold academic rank. Graduate assistants are not included. Those individuals in the Fixed-Term II category were considered part-time faculty in the present study even though a very small number were full-time faculty hired for less than two terms.

Although some attention was given to part-time faculty in continuing education, the primary focus of the study was on part-time faculty in resident education. There were several reasons for this decision. First, the faculty members have voiced the concerns about the excessive use of part-time faculty were explicitly concerned about resident education activities. Second, involvement with academic departments and programs, particularly in regard to degree-seeking students, is generally greater for part-time faculty in resident education than in continuing education, although this may vary with location.

A Senate Report on Part-Time Faculty



The subcommittee's next task was to obtain comprehensive data describing the population in order to answer such questions as:

1. How many part-time faculty are there?
2. Where are they located?
3. How are they being used?
4. What are the practices regarding their hiring and evaluation?
5. What problems arise from the use of part-time faculty?
6. What are longitudinal trends regarding number of part-time faculty employed?

Several different approaches were used to gather relevant data. First, data on part-time faculty in resident education were obtained from the central computing files of the University. Second, data on the number of courses taught for academic credit by faculty in continuing education were obtained from the Office of the Vice-President for Continuing Education in order to compare part-time faculty who teach in the two different delivery systems.

In addition, to answer questions concerning evaluation, hiring, compensation, working conditions, needs served, and duties of part-time faculty, a questionnaire was developed and distributed to heads of all academic administrative units which might hire part-time faculty in resident education. Administrators were also asked to indicate the benefits and problems associated with the use of part-time faculty.

While the data gathering phase of the study was in progress the subcommittee realized that a consideration of some policy issues, particularly those regarding changes in rights and benefits for part-time faculty, would be facilitated if a distinction could be made between those individuals whose part-time employment at Penn State was limited and those whose employment was more extensive in scope.

The subcommittee developed some guidelines which have been used to distinguish between these two groups. Individuals whose part-time employment at Penn State was sporadic or irregular, very brief in duration, or very limited in scope are referred to by the subcommittee as "occasional." Part-time faculty who had a significant, ongoing employment record at Penn State are referred to as "continuing."

An awareness of these distinctions is necessary to understand the presentation of data in earlier sections of the report. As data were obtained, those individuals whose full-time equivalence (FTE) was 50 percent or greater were distinguished from those employed for less than 50 percent FTE (the FTE percentages used were obtained from the Faculty Activity Report cards). Part-time faculty employed at least two consecutive years were also identified. It was decided that input from part-time faculty who met all of these criteria would be desirable. Therefore, a second questionnaire was prepared and distributed to this latter selected group of part-time faculty.

II. Data Collection And Analysis University Data Files

In order to obtain demographic data as well as an overview of the employment pattern for part-time faculty at Penn State, staff members of the Institutional Research Division designed and developed an information system to obtain data on part-time faculty from the central computing files of the University.

Using the Fall Term 1976 as a representative term, information was gathered about part-time faculty at all University resident education locations regarding such variables as: (a) distribution by academic unit and campus; (b) academic rank; (c) distribution by FTE; (d) student credit hours generated; (e) number and level of courses taught; and (f) hours spent on various University-related activities; (g) distribution by sex and age; and (h) employment history at Penn State.

A second source of data was the Office of the Vice-President for Continuing Education, from which the subcommittee obtained information about instructors of credit courses delivered

through continuing education. The major part of this section of the report deals with a discussion of the resident education data.

The data are generally separated into branch campus system data and University Park data. (For the purposes of this report, the "branch campuses" include the Commonwealth Campus System, Capitol Campus, and Behrend College, but not the Hershey Medical Center, the King of Prussia Graduate Center, the now Radnor Center, is part of the Graduate School administrative area, and as such is not included with University Park.) This has been done because the uses and problems associated with part-time faculty were expected to be different at the branch campuses than at University Park. In addition, specific policies have been in effect for part-time faculty at branch campuses which do not apply at University Park. These will be discussed in the report.

Summary of Data on Part-Time Faculty in Resident Education

A total of 398 individuals were identified as part-time faculty members holding appointments designated as Fixed-Term II during Fall 1976. Of those, 158 (39%) were employed at University Park and 243 (61%) were employed at the branch campuses.

A total of 371 (93%) part-time faculty members, including all 243 faculty at the branch campuses, were paid wholly from resident education budgets during the Fall Term 1976. At the branch campuses 238 (98%) of the 243 part-time faculty members actually taught during the term. Of the 158 part-time faculty members at University Park during the Fall Term 1976, 115 (74%) taught within resident education. Twenty-three of the 40 non-teachers (researchers, extension personnel, etc.) were paid solely from budgets other than resident education.

At the branch campuses 97 percent of the part-time faculty held the rank of lecturer while 3 percent were instructors. This use of the lecturer rank reflects a policy approved by the Office of the Provost for the Commonwealth Campuses. At University Park, the predominant rank was instructor (84%), followed by lecturer (23%), research assistant (11%), assistant professor (3%) and research associate (3%). One person was an associate professor and the remainder were short-term visiting faculty.

The 398 faculty members came from 229 departments, where department refers to a given department at a specific location. The distribution of the number of departments at University Park and the branch campuses which employed between one and five part-time faculty is shown in Table 1.

The following departments had more than five part-time faculty: At University Park: the Division of Man-Environment Relations in the College of Human Development, 7; the Department of English in the College of Liberal Arts, 21; the Department of Physical Education in the College of Health, Physical Education, and Recreation, 10; the Developmental Year Program, which reports to the Vice President for Undergraduate Studies, 6.

At the branch campuses: the Department of Business at the Capitol Campus, 13; the Department of Mathematics at the Osgood Campus, 8.

As was indicated in the Introduction, in order to facilitate consideration of policies which would distinguish among part-time faculty members on the basis of their assigned proportion of FTE, those faculty members employed less than 50 percent FTE were looked at separately from those employed for 50 percent or more FTE. For the teaching faculty, some of the information of interest is shown in Table 4. This table reveals that 51 percent of the part-time faculty at University Park were employed half-time or more while on the branch campuses only 28 percent were half-time or more.

Additional data obtained from the faculty activities file suggest that, as a rough average,

the part-time teaching faculty spent approximately 18 hours working per three credit hours. Also, those part-time teaching faculty at University Park who were half-time or more spent 14% of their time on research.

The subcommittee wanted to know whether the part-time faculty were predominantly female... this was not the case. However, 52 percent of those who worked half-time or more were female. This percentage was significantly higher than is true for full-time faculty. It is also noted that there was a higher percentage of female part-time faculty at University Park than at the branch campuses.

Data on the sex distribution of continuing education faculty revealed that 82 percent were female. These wide variances may reflect differences in the availability of part-time faculty at the various locations as well as differences in the operation of resident instruction and continuing education at University Park and the branch campuses (day time vs. evening classes, for example).

The employment history of part-time faculty is also of interest, indicating continuing in the use of part-time faculty... Once more those faculty members with less than half-time appointments are differentiated from those with half-time or greater appointments. About three-quarters of the part-time faculty at University Park had first been employed on a part-time basis at Penn State within the preceding two years.

At the branch campuses, 56 percent of the part-time faculty first had been appointed within the previous two years. Overall, 63 percent of the total had been hired during or after the 1975-76 academic year. There was little difference in the number of years employed part-time between those hired for less than half-time and those with an FTE of at least 50 percent. These results indicate a rather high turnover rate of part-time faculty.

Trends in Use of Part-Time Faculty

In Table 6, the number of instructional faculty paid on a bi-weekly or wage payroll basis is shown for the Fall Terms of the years 1974-77. Also shown is the number of student credit hours produced by these faculty.

It is seen that use of part-time faculty increased in 1975 and an additional but smaller increase occurred in 1976. These are generally attributed to the freeze on hiring full-time faculty during that time and to the consequent use of part-time faculty to meet continuing academic needs. Some campuses and programs were growing at this time but were not able to hire full-time faculty. This situation appeared to change somewhat in 1977. However, recent data on the number of Fixed-Term II faculty members, some of whom do not teach, show that for Fall, 1978, there are 455 compared to 328 in Fall, 1977, and 398 in Fall, 1976.

It is difficult to predict how this will vary in the future. In his study of part-time faculty, David Leslie observed that there is a wide variance in the percent and use of part-time faculty in different kinds of institutions of higher learning. Two-year colleges, in particular, as well as those whose highest degree granted is at the Master's level, appear most prone to increase their use of part-time faculty. For institutions granting doctoral degrees, the trend nationally is downward (see D.W. Leslie in *New Directions for Institutional Research: Employing Part-Time Faculty*). By virtue of their different missions, very different patterns emerge for Commonwealth Campuses and University Park. Developments will likely depend upon both financial and programmatic necessities. Declining financial resources and the need to retain flexibility for enrollment shifts favor the increased use of part-time faculty. This is especially likely if budget cuts result in a loss of a number of full-time positions.

On the other hand, budget cuts may also lead to a reduction of part-time and other special faculty appointments, with regular faculty members required to assume the added instructional load. On some of the Commonwealth Campuses, reductions in baccalaureate feeder enrollments could result in a greater effort in developing associate degree programs, extended degrees, and continuing education programs for which a more

(Continued on page 6)

Table 1

Number of Departments Hiring Either 1, 2, 3, 4, or 5 Part-Time Faculty

	Number of Part-Time Faculty				
	1	2	3	4	5
University Park	34	13	5	4	4
Branch Campuses	127	22	7	2	2
TOTAL	161	35	12	9	6

Table 4

Teaching Load of Part-Time Faculty

	FTE	Number of Teaching Faculty	Number Credits Taught	Mean			Total Working Hours Reported
				Student Credit Hours Generated	Class Contact Hours		
University	< 50%	56	2.5	98.3	5.4	18	
Park	≥ 50%	59	5.0	131.8	9.9	28	
Branch	< 50%	171	3.1	88.0	5.3	16	
Campuses	≥ 50%	67	6.3	169.3	10.9	28	

Senate

(Continued from page 1)

diversified and transitional part-time faculty would be required.

As is the case now, the future use of part-time faculty members at Penn State is likely to occur

differentially across departments, colleges, and locations.

Subcommittee on Part-Time Faculty

Ray T. Fortunato
G. Gregory Lozier
Edward H. Klewens, Chairman
Deborah R. Klewens
Richard Sheeder
Howard W. Thiele

Table 6

Number of Part-Time Instructional Faculty and Student Credit Hours Produced During Fall Terms 1974-79*

	1974	1975	1976	1977
Number	280	331	356	340
SCH	31,793	37,726	38,229	35,686

Light timers

(Continued from page 1)

University family that energy conservation was important and as reminders that the University had a conservation program in operation."

It's estimated the timers saved approximately \$3,000 per year in energy costs but that vandalism repair costs were about \$1,000 to \$1,500 each year.

"It's a complete mystery to us at the Office of Physical Plant why these devices attract so much vandalism," comments Mr. Dean. "The commercial version is not as reliable as one would like, but the solution to that problem by maintenance personnel has been illogically overwhelmed by the need to repair vandalized units."

He said the experiences of other major universities with timers have been significantly better than Penn State's.

The timers, selected by the University on the advice of a consultant, are a commercial grade mechanical device costing about \$15 each when installed. Industrial grade timers would have cost between \$150 and \$200 each in 1975, Mr. Dean says, resulting in a \$60,000 installation project.

Since the commercial grade timers were placed in classrooms, the University has been looking for a better timer at reasonable cost. A new type of electro-mechanical timer costing more than \$300 is being evaluated, and a search is underway for an electronic timer that will not tick.

"But because such a device meeting University requirements is apparently not on the market, one will have to be developed and submitted for approval," says Mr. Dean.

The few timers not replaced during this term break will be removed during the break between Spring and Summer Terms, Mr. Zilly says.

Nominations

(Continued from page 1)

"economic, physical, mental, or social welfare of the faculty" of the University. The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties. Previous recipients are William G. Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Wettstone, Kenneth L. Holderman, Patricia Farrell, Lawrence Perez, Michael R. Lynch, and Margaret B. Matson.

The John E. Wilkinson Award for Administrative Excellence

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of \$500, is made annually to a member of the staff of The Pennsylvania State University whose performance methods and achievements exemplify administrative excellence. Previous recipients are Paul M. Althouse, John B. Pezzoni, Kenneth L. Holderman, Eleanor Ferguson, Harry D. Zook, Russell E. Larson, Wayne D. Lammie, and David E. Stortmer.

Need to conserve energy still strong, Zilly reminds

The need to continue energy conservation practices remains strong even though Winter Term is over, says Ralph E. Zilly, vice-president for business and chairman of the Executive Energy Conservation Committee.

The committee reminds all members of the University community to ensure that radiators, heating units and ventilation registers are not obstructed by shelving, plants, furniture or other objects.

Thermostats in occupied areas should be set no higher than 68 degrees unless an exception has been approved by the committee. Storage and other unoccupied spaces should be set no higher than 55 degrees. Portable electric heaters are not permitted unless installed by Physical Plant Maintenance and Operations.

Windows should be kept closed at all times. Shades and blinds should be closed overnight and weekends, except on ground floors. The use of domestic hot water should be curtailed as much as possible.

Coppy machines should be turned off overnight and weekends and their use should be curtailed as much as possible. Natural light should be used instead of electric light whenever possible and room lights should be turned off if they will not be needed for 15 minutes or longer.

In laboratories, storage in refrigerators, deep freezers and growth chambers should be consolidated where possible. Explosion-proof units may contain ordinary materials but non-explosion-proof units may not contain explosive materials.

Air conditioners and sterilizers in labs should always contain a full load when in operation. Fume hoods and ovens should operate only when required, and fume hoods should not be used for long-term storage.

The use of process steam and compressed air in labs should be curtailed as much as possible and the use of distilled water should be limited. Natural gas use should also be limited as much as possible.

In athletic areas and gyms, all lights should be turned off immediately after use, even where automatic timers are installed.

Multifunctioning equipment, fixtures, controls, switches, timers and thermostats should be reported to the person responsible for the area where the problem is found. That individual should call Maintenance and Operations at 865-4731.

"Your continued cooperation in the conservation of energy is solicited," Mr. Zilly says. "If anyone has any suggestions or recommendations, please contact J. Carroll Dean, manager of energy conservation programs, at 863-0538. Individual building coordinators may be called, also."

News in brief

(Continued from page 1)

73 pounded bikes to be sold March 14

A bicycle sale will be held at noon Wednesday, March 14, at the Salvage Warehouse on the University campus. On sale will be 58 boys' and 15 girls' bicycles which were impounded during the year by University Police Services and not claimed.

Student glasswork, photographs on display at Pattee

Two art exhibits are on display through March 15 in Pattee Library. Photographs by Scott Bluebond may be seen in the Lending Services Lobby and an exhibit of Penn State student glass is in the East Corridor Gallery.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made to all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., March 15, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam area veteran.

SUPERVISOR OF OPERATIONS - DIVISION OF UNDERGRADUATE STUDIES, University Park

Responsible for the Director of the Division of Undergraduate Studies for the coordination of the Testing phase of the Freshman Testing, Counseling, and Advising Program, as well as Basic Skills Testing and Retesting at all Campuses of the University. Responsibilities include the establishment and implementation of standard testing procedures, the scheduling of testing and counseling appointments, the processing and scoring of psychometric instruments, and assisting in the development and publication of materials to communicate test procedures and results to students. Responsibilities also include various student advising and supervisory activities. Bachelor's degree or equivalent, plus one or two years of directly related experience in an administrative and supervisory capacity, is highly desirable. Educational and professional experience with psychometrics highly desirable.

BUYER - OFFICE OF BUSINESS SERVICES, University Park

Responsible to the Director of Purchases for the efficient and effective procurement of required items to best serve the interests of the University and the individual department involved. Specifically to evaluate specifications, giving consideration to quantity, quality, cost, and delivery requirements; solicit quotations; interview vendors, expedite deliveries; handle adjustments, and perform all necessary related purchasing service functions Bachelor's degree, or equivalent, in Business Administration or related field, two to three years of experience in the procurement of air conditioning and refrigeration, automotive and aircraft, electronics and communications, plumbing equipment and supplies, and related items are preferred.

COUNSELOR - STUDENT AFFAIRS, New Kensington Campus

Responsible for conducting personal, educational, career and placement counseling programs. Responsible for preorientation testing and assisting with summer counseling and orientation. Provides consultation to other members of the Student Affairs staff and campus community. Master's degree in counseling education or equivalent training, plus a minimum of two years of applicable professional experience in educational/vocational counseling or related experience.

COOPERATIVE EDUCATION SPECIALIST - PLACEMENT, Capital Campus

Responsible to the Coordinator, Career Planning and Placement, for the development of Cooperative Education positions for Capital Campus students and for assisting in the overall administration of the program. Bachelor's degree or equivalent, plus one year and up to two years of directly related experience in higher education, cooperative education or business and industry is required. At this time, this position is funded only until August 30, 1979.

Tax-deferred annuity plans to be discussed March 20

Full-time faculty and staff members who are interested in learning about the three tax-deferred annuity plans that are available through the University may do so by attending either one of two sessions which will be held on Tuesday, March 20, in Room 112 Kern Graduate Building. The first session will be held from 10 a.m. to noon and the second session from 2 p.m. to 4 p.m.

For many individuals, a tax-deferred annuity is an excellent way to establish a long-range savings program and defer some taxes on today's salary.

Representatives of the three companies (Equitable, TIAA and VALIC) will be present to make brief presentations about their individual programs and answer any questions.

Faculty and staff members at major locations away from University Park may obtain information about this program by contacting any of the following: their regional Personnel Officer, their Campus Business Manager or the Employee Benefits Division. If enough interest is demonstrated at any of these locations, arrangements can be made through Employee Benefits for the insurance company representative to make an on-site group presentation.

Penn State Intercom

Senate adopts amended report on part-time faculty



The University Faculty Senate at its March 6 meeting expressed qualified support of proposals to improve the salaries, rights and benefits of part-time faculty members at the University.

After lengthy debate, senators accepted three recommendations provided by their Subcommittee on Part-Time Faculty but softened a number of details in order to give more leeway to University administrators, who would actually draw up and implement any new policies.

The three recommendations as amended suggest:

- University budgeting practice should

recognize the important role played by part-time faculty and the need to provide adequate funds to increase the rates paid to Fixed-Term II faculty members to reflect market conditions, inflation and performance.

- The contribution of "continuing" part-time faculty should be recognized by establishing a new appointment category which is comparable to the Fixed Term I appointment category now used for non-tenure track full-time faculty appointments. The subcommittee also suggests the establishment of a part-time standing appointment category to be used

on a limited basis to meet special needs. (The full text of this recommendation appears on page 4.)

- A program of fringe benefits should be granted to all "continuing" part-time faculty.

In introducing the report, Subcommittee Chairman Edward H. Klevans noted that the use of part-time faculty is here to stay, and that at the Campuses, they are now producing about 17 percent of the student credit hours.

Pointing out that contrary to the often held belief that "we hire anybody off the streets to teach part-time," Dr. Klevans

said that "we have many very talented individuals involved in teaching part-time."

The Subcommittee divided part-time faculty into "occasional" employees (those teaching only one or two courses a year) and "continuing" (those teaching at least half-time and in their third year of service).

"We came to the belief that there should be prorated benefits available for the latter group," Dr. Klevans said, adding that in Fall 1976, out of 400 part-time faculty, only 30 could be classified as "continuing."

The Subcommittee surveyed 19 other colleges and universities and found that 14 provided some prorated benefits for some part-time faculty, and 18 of the 19 also provided some sort of benefits to certain staff employees who were part-time.

Speaking from the floor, President John W. Oswald called the use of part-time faculty "a growing and very important part of our educational offerings."

"We are all aware," Dr. Oswald said, "of cyclical enrollments in the area of engineering, and of course at this moment, in such colleges as Engineering, Agriculture, Business and Earth and Mineral Sciences, enrollments are so high in some majors that people are talking about quotas. Yet none of us is at all certain that five years from now these enrollments will necessarily be the highest within the institution. The part-time faculty that we can commit over a longer period of time thus become an important part of the teaching force in the University."

Turning to the question of priorities, Dr. Oswald said that the provision of fringe benefits to part-time employees should be measured against additional benefits given to full-time personnel. He mentioned the recently instituted dental insurance plan and improvements in UNICARE coverage.

"As we look at these," he said, "we must think in terms of priorities between full-time employees on the one hand and part-time on the other. It's very important," Dr. Oswald concluded, "to have the data this committee has given us so that those of us working with this question of where best to place the limited funds we have can make the wisest decisions."

Opposition to the Subcommittee report was expressed by Senator Donald Rung. Asking senators to consider "the larger reality" of the difficult times Penn State may face in the eighties, Dr. Rung stated that "vitality in the next decade is an absolutely number one priority for Penn State. We will need maximum flexibility."

The University cannot be certain of its enrollment, especially at the Campuses, or of its people power needs, Dr. Rung emphasized, and there will be only a fixed amount of money to distribute.

"I am not in favor of anything to lessen our flexibility, and I think the report does," he added.

Among those speaking in favor of the report were Senators Robert Frank and Robert Price. Dr. Frank, head of the English Department, said that he believes that the University must provide part-time faculty with more benefits or the result will be inferior teaching in the classroom. Dr. Price said he felt it was wrong to search for "the cheapest faculty available."

"We do have to pay attention to

(Continued on page 4)

News in Brief

Rep. Madigan named to Board

State Rep. Roger A. Madigan of Towanda, Pa., has been appointed to the University's Board of Trustees to fill the unexpired term of Penrose Hallowell, who resigned his elected position on the Board when he was appointed State Secretary of Agriculture.

Mr. Hallowell will continue to serve on the Board as an ex officio member in his position as Secretary of Agriculture.

Mr. Wood, in announcing the appointment, said, "Rep. Madigan is a proven leader. His solid background in agriculture, business and government will make him a valuable asset to the Board of Trustees."

Elected to the State General Assembly as a Republican from the 110th District in 1976, Mr. Madigan was re-elected in 1978. He currently serves on the House Agriculture, Ethics, Finance, Insurance and Labor Relations committees.

He is an insurance consultant with the Tuscarora-Wayne Mutual Insurance Co. and serves on the board of directors of the First Bank of Troy.

Born in Bradford County, Mr. Madigan grew up on a farm and was a dairy farmer from 1951 until 1964. He currently operates a 260-acre beef farm near Towanda.

A 1951 graduate of Penn State, with a degree in dairy production, he is a member of the Penn State Cowsly Society and past president of Delta Sigma Theta Fraternity.

Dr. Walker to talk March 20

Dr. Eric A. Walker, professor and president emeritus of the University, will give the 1979 Honorary Engineering Lecture at 4 p.m. Tuesday, March 20, in Room 26 Mineral Science Building. Dr. Walker's subject is "The Loss of American Initiative — Is the U.S. a Third-Rate Nation?"

Dr. Walker is the 14th speaker of the annual Honorary Engineering Lecture Series, sponsored by the Penn State Engineering Society. The series' purpose is to bring to engineering students and the community-at-large persons who have contributed notably to the engineering profession.

The public is invited to attend Dr. Walker's talk.

PSU production wins award

Waiting for Lefty, a Pennsylvania State University videotape production, has received a 1979 Ohio State Award from

(Continued on page 4)



Penn State-Priestley connection strengthened

Another link in the Penn State-Priestley connection has been forged with the arrival of Catherine Priestley Richardson at University Park — just in time to be present for the 53rd annual Priestley Lecture Series being held this week.

Mrs. Richardson was the granddaughter of Joseph Priestley, the famed 18th century discover of oxygen, and her elegant portrait is now on display at the Museum of Art. It is on an extended loan from John Priestley Labouisse, of New Orleans, himself a Priestley descendant.

The Penn State-Priestley connection is a long-standing one. It was a group of Penn State chemistry alumni, with the urging of Dean George Gilbert Pond, of the School of Natural Sciences, who raised the money in 1919 to preserve Joseph Priestley's house in Northumberland. The University maintained the house as a museum until 1955 when it was turned over to the State.

That the "Priestley Portrait" is now on display in the Museum is due to Mrs. Rose and Oswald. The Labouisse family are long-time friends — indeed, they introduced Rose and Oswald to one another during World War II. At that time the President was a Navy PT Boat Captain and Rose Owen was teaching in the Metairie Country Day School in New Orleans.

Mrs. Oswald pointed out the appropriateness of having the painting displayed at Penn State, and Mr. and Mrs. Labouisse agreed to the loan.

The portrait of Mrs. Richardson was painted about 1850 by Jacques Amans, who was active as a portraitist in New Orleans around the middle of the 19th century. Catherine came into the Labouisse family through her daughter, Kitty Caroline, who married John Labouisse.

The portrait complements our American collection," Museum Registrar Richard Porter notes. "The very elaborate frame was made in New York City by William S. Conely, and both it and the painting are excellent examples of the mid-19th century style."

Penn Staters

Dr. Warren W. Hassler Jr., professor of American history, has been appointed the Visiting Professor in the Chair of Military History at the United States Military Academy at West Point. The appointment will be in effect for the 1979-80 academic year. A Senior Fellow of the Institute for the Arts and Humanistic Studies, Dr. Hassler has been a member of the faculty since 1955. In 1975-76, he was appointed to the Morrison Chair of Military History at the Command and General Staff College in Fort Leavenworth, Kan.

Dr. Hassler is the author of the following books: *General George B. McClellan*, which won the Southern Book of the Year Award for 1958; *Commanders of the Army of the Potomac*; and *The President as Commander in Chief*. He is also co-author of *Civil War Books: A Critical Bibliography* (two volumes).

The recipient, in 1975, of the Harry S. Truman Award, he wrote the main article on the American Civil War for the most recent edition of the *Encyclopedia Britannica*.

A native of Baltimore, Dr. Hassler holds a B.A. from Johns Hopkins University, an M.A. from the University of Pennsylvania, and a Ph.D. from Johns Hopkins, all in history.

Dr. Betty van der Smitten, professor of recreation, was recently elected president-elect of the American Camping Association. At the national convention just concluded, she began a four-year term on the national Executive Committee of the Board of Directors, two years of which she will serve as president.

Dr. Edward V. Ellis, associate dean for continuing education in the College of Human Development, has been elected to a three-year term on the Commission on Higher Education of the Middle States Association of Colleges and Schools.

Donald L. Ace, coordinator of Dairy Extension programs, has been named interim head of the Department of Dairy and Animal Science. Until the College of Agriculture's search committee chooses a new department head, Prof. Ace will assume the duties of Dr. B.R. Baumgardt, who was recently appointed associate dean for research and associate director of the Agricultural Experiment Station.

Dr. Joseph L. French, professor-in-charge of educational psychology and school psychology, has been awarded a fellowship to participate in the Leadership Training Institute on Gifted and Talented at Indiana State University later this spring. The theme of the institute will be "Mobilizing for Excellence."

Four faculty members received awards at the College of Engineering's annual Engineers' Week banquet held last month. The awards, which consist of a certificate and a \$500 check, are sponsored by the Penn State Engineering Society, an alumni organization.

Dr. Gerard M. Faeth, professor of mechanical engineering, was honored for outstanding achievement in research. Since 1965 he has been conducting theoretical and experimental research on combustion, heat transfer and fluid dynamics. He has authored or co-authored more than 50 papers. A member of the faculty since 1958, Dr. Faeth received his B.M.E. from Union College and his M.S. and Ph.D. degrees from Penn State.

Excellence in Teaching Awards were presented to Robert E. Babcock, assistant professor of general engineering; Hubert C. Smith, assistant professor of aerospace engineering; and Dr. Hai-Sup Lee, professor of electrical engineering.

Prof. Babcock was honored as a faculty member who has taught primarily in the first two years of the baccalaureate program. Prof. Smith as the faculty member at an assistant professor level, and Dr. Lee as a senior faculty member who has been at Penn State for five years or more.

The award winners were selected by a committee appointed by Dean Nunzio J. Palladino of the College of Engineering for their ratings on an effectiveness teaching survey conducted by the Dean's office, and from recommendations by colleagues and students.

Prof. Babcock joined the faculty at the McKeesport Campus in 1970. In addition to teaching introductory courses in engineering, he designs testing devices and converter circuits.

Prof. Smith joined the Penn State faculty in 1965. He has taught a variety of undergraduate courses, including introduction to research and design, analog computation, principles of flight testing, and an aerospace engineering laboratory. His research interests center on airplane design, analysis, and operation.

Dr. Lee has been a faculty member since 1958. He is noted for the assiduousness with which he brings new developments in the field of electromagnetics into the curriculum. He is also active as a member of the College and department curriculum committees.

Dr. Gerard J. Brault, professor of French and Fellow of the Institute for the Arts and Humanistic Studies, spoke on "Franco-American Family History" to a faculty seminar at the University of Maine at Orono on Feb. 28. The invited lecture was funded by a National Endowment for the Humanities grant received by the University of Maine for a three-year program in French-Canadian and Franco-American Studies.

Appointments

Joan M. Ruffe as assistant professor in anesthesia, Hershey Medical Center. A.B. Brown University, M.D., Penn State-Hershey. Formerly resident in anesthesiology, Hartford (Conn.) Hospital.

Cheryl A. Sandusky as assistant librarian, Hershey Medical Center. B.S., Ohio University; M.L.S., University of Pittsburgh. Formerly supervisor at Western Psychiatric Institute and Clinic Library, Pittsburgh.

Richard C. Cronce as research assistant in agronomy, B.S., Delaware Valley College of Science, M.S., Penn State. Formerly soil scientist, Pulaski County, Va.

Bookshelf

Dr. Charles D. Ameringer, professor of Latin American history, is the author of *Don Pepe: A Political Biography of José Figueres of Costa Rica*, published by the University of New Mexico Press.

José Figueres, "Don Pepe," colorful and successful leader of the democratic or non-Communist Left in Latin America, granted Prof. Ameringer access to his personal papers. These unpublished letters and documents, as well as lengthy interviews with Figueres and other Costa Rican leaders, provided unusual insights for this political biography of a man whose activities have reached beyond Costa Rica and touched United States relations in the Caribbean.

Founder of Costa Rica's National Liberation party, twice president of his country, and once head of a junta, Don Pepe transformed Costa Rica economically and socially without sacrificing its democratic institutions. He provided a haven for refugees from the tyranny of neighboring authoritarian regimes and worked with Rómulo Betancourt, Luis Muñoz Marín, and other democratic leaders for elimination of dictators in the region.

During the difficult decades of the fifties and sixties, he acted against the Somoza and Nicaragua, Rafael Trujillo, of the Dominican Republic, and eventually Fidel Castro of Cuba. His request for aid from the United States led to collaboration with many North American liberals, particularly with prominent figures in the Kennedy Administration, both overtly with the Alliance for Progress and covertly with the C.I.A.

Dental Plan questions answered

Effective Jan. 1, 1979, dental coverage was provided to all full-time faculty and staff members of the University. The deduction for dental coverage for dependents is reflected in the "Hospital" section of each individual's check stub.

Dental claims are processed by the Prudential Insurance Company, 4220 William Penn Highway, Monroeville, PA 15146. All claims should be submitted directly to that address. There have been some delays experienced in processing the initial claims because of the time required to prepare a computer file of coverage elected by faculty and staff members and transmitting that file to the Prudential Office. This work has now been completed and future claims should be processed without unusual delay.

The Employee Benefits Division has received many questions from faculty and staff members concerning the new program of dental coverage. Some of the most frequently asked questions are answered below.

Q. How does an individual satisfy the annual deductible?

A. When an individual incurs charges of \$25 or more in any calendar year, the deductible will have been satisfied. When two eligible family members have each satisfied a \$25 deductible, future covered charges for the remainder of that calendar year for the employee and all eligible family members will be reimbursable without further deductibles.

Q. What is the benefit for replacement of teeth that were missing prior to the effective date of coverage?

A. There is no benefit available for teeth that were missing prior to the faculty or staff member's effective date of coverage.

Q. Will the dental plan cover charges for accidental damage to a bridge or denture?

A. Yes, provided the accident happened after the effective date of coverage.

Q. What is a predetermination estimate?

A. When treatment charges are estimated to be \$300 or more, you and your dentist are encouraged to submit the treatment plan to Prudential for review prior to actual treatment. This provides you and the dentist the opportunity to review the benefit that will be available before the actual treatment is performed.

Q. Can a dentist submit a predetermination estimate form for charges under \$300?

A. Yes. It is suggested that if there is a question regarding coverage or payment of a charge, your dentist should submit a predetermination estimate form.

Q. Should charges under \$25 be

submitted to the insurance company?

A. Not necessarily; however, if you or your dentist wish to submit the claim form you may. Since the charges do not meet the deductible, no benefits would be payable. We suggest you keep records of all charges incurred during any calendar year for submission after the \$25 deductible has been met.

Q. Is there a benefit for replacement of a denture that has worn out?

A. Coverage is provided if the denture is five or more years old.

Q. What benefit is available for a crown?

A. If it is determined that a crown is the best suited plan of treatment, Prudential will reimburse 60 percent of the reasonable and customary charge. (Less the deductible, of course, if it hasn't already been met.)

Q. Will the entire fee charged by a dentist be paid?

A. The insurance company will consider any reasonable and customary coverage charge. Payment, up to the maximum, will be made at either 80 percent or 60 percent depending upon the type of treatment after the deductible has been satisfied.

Q. How will Prudential determine what is a reasonable and customary charge or maximum allowable payment?

A. Prudential establishes the maximum allowable payment based on a quarterly analysis of all charges submitted for a specific treatment in a geographical area. The geographical area is normally defined by the first three digits of the zip code, for example, 168 for Central Pennsylvania. The Prudential maximum payment is the charge represented by the 90th percentile of all charges for a specific treatment. Any charge over this amount would be disallowed and so noted on the predetermination estimate form or claim payment form and identified with the code "S".

Q. How should charges be submitted for oral surgery, including extraction of impacted teeth and accidental injury to sound natural teeth?

A. Charges that are covered by the health plan (UNICARE) should continue to be submitted through the Employee Benefits Division to The Equitable Life Assurance Society. The Equitable Plan pays first and is considered to be the primary plan. After The Equitable has made payment, all bills should be submitted to Prudential so that any unpaid amount covered under the dental plan can be paid or credited to the deductible.

Persons who have questions regarding the dental program should call the Employee Benefits Division, 865-1473.

Pattee calls for new cards, grants an amnesty

All Library patrons are reminded that they must register in order to obtain a library card for use in the new automated circulation system which is currently in operation at Pattee and scheduled for installation in branch libraries sometime during the Spring term. In order to facilitate this procedure, patrons may register at any branch in the University Libraries system except Pollock Library from 8 a.m. to 5 p.m. Monday through Friday. Patrons also have the option of registering at Pattee any time the Library is open.

If patrons register at branches, several days should be allowed for library cards to be processed and returned to the same branch at which they registered. During this interim period, however, patrons may continue to borrow materials. Please note that when patrons register, appropriate identification such as a University I.D. or driver's license is required.

The University Libraries have granted a Spring Term amnesty to persons holding overdue books that were borrowed on regular loan under the former manual system. Such books may be returned without penalty the entire term, no matter how overdue they are.

But in order to accomplish this without too much disruption of other library activities, borrowers with overdue books are asked to return them during the early part of the term, rather than at the end.

The Libraries are extending the automatic circulation system to the Branch Libraries, and at the same time they are trying to reduce the files of books on loan under the manual system — a goal they hope to reach by term's end.

"We hope that with faculty and staff cooperation we can clean up the old records and begin next year without the need to maintain two files," explains Dr. Stuart Forth, dean of University Libraries. "This will improve our capacity to respond to borrowers' needs."

University Park Calendar

March 15-25

Special Events

Thursday, March 15

HUB Craft Center course registration, through March 17, Room 312 HUB.
 "Luck of the Irish" Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
 Commons place Theatre, *Lenny*, 7 and 9 p.m., Room 112 Kern. Also March 16.
 Priority Lecture, 8 p.m., Room 119 Osmond. Edward Anders, Enrico Fermi Institute, Univ. of Chicago, on "Was There a Superheavy Element in Meteorites?"

Friday, March 16

German Dept./Journalism Lecture, 4 p.m., Room 101 Kern. Manfred Rehbinder, Univ. of Munich, on "Legal Problems in the Mass Media."
 "Luck of the Irish" Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
 Artists Series, Houston Ballet, *Sleeping Beauty*, 8:30 p.m., Eisenhower Auditorium. March 17, 8:30 p.m., March 18, 3 p.m.

Saturday, March 17

Sports: men's tennis, vs. George Washington, 1 p.m.
 France-Cinema, *That Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern. Also March 18.

Sunday, March 18

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Graham Hales, Religious Activities, Univ. of Southern Mississippi, speaker.

Free U. registration, 12 noon-6 p.m., HUB Ballroom.

Shaver's Creek Nature Center, maple sugaring demonstration, 1:30-4 p.m., Stone Valley. Exhibit Opening, 2-4 p.m., HUB Gallery. Leon C. Yost, color photographs.

Monday, March 19

Two Cultures Dialogue, "Risk-Taking vs. Scientific Evidence," noon, lunch, 12:20 p.m., talk, Room 101 Kern. Paul Rigby, asst. dean for research, College of Business Administration, on "The Nature of the Problems."
 Shakespeare Film, *Midsummer Night's Dream*, 6:30 p.m., Room 101 Chambers. Free. Also on March 20.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Steven Smith, piano recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 20

Gallery Talk, 10:30 a.m., Museum of Art. Walton J. Lord, art history, on "Chinese Painting through Western Eyes."
 Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Peter Gould, geography, on "An Algebra for Television."
 Comp. Lit. Film Series, *Devil*, 7 and 9 p.m., Room 112 Kern.
 Public Lecture, 8 p.m., Room 101 Kern. Michael Holroyd, visiting fellow, IAHs, on "Shaw's Women."

Wednesday, March 21

Artists Series Film, *La Ronde*, 8 p.m., Schwab. Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Friday, March 23

Board of Trustees meeting, Hershey. Also March 24.
 Sports: men's tennis, vs. Howard, 3 p.m.
 Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. Also March 25.
 HUB Concert, Bob Ortiz and Winterwood, 8 p.m., HUB Ballroom. Free.

Saturday, March 24

Shaver's Creek Environmental Center, workshop in natural basketry. 865-1851 for reservations and information.
 Penn State Model RR Club, Model Contest, 10 a.m.-1 p.m., registration: 1-4 p.m., show, Old Art Gallery, HUB.
 Sports: women's fencing, vs. Cornell, William Paterson and Indiana (Pa.), 10 a.m.
 France-Cinema, *22th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern. Also March 26.

Sunday, March 25

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Canon Kermit Lloyd, Episcopal Diocese of Central Pa., speaker.
 Sports: men's tennis, vs. Swarthmore, noon.
 Phi Mu Alpha Jazz Band Concert, 3 p.m., Music Bldg. Recital Hall.

Seminars

Friday, March 16

Analytical Chemistry, G.G.A. Perkins, grad. student, on "Photolysis of Silane by Vacuum-UV," 11:10 a.m., Room 333 Whitmore.

Electrical Engineering, Robert M. O'Connell, Electro-Magnetic Sciences Division, Rome Air Development Center, Hanscom Air Force Base, Me., on "New Materials for Surface Acoustic Wave Applications," 3 p.m., Room 320 EE East.

Tuesday, March 20

Plant Pathology, Lester W. Burgess, visiting professor, Univ. of Sydney, Australia, on "Ecology of Soil-Borne Fungal Pathogens - An Historical Perspective," 9:45 a.m., Room 213 Buckhout.

Biology, Gregory S. Whitt, Univ. of Illinois/Champaign-Urbana, on "Evolution of Multilocus Isotype Systems," 11:10 a.m., Room 111 Mueller.

Computer Science, Barbara Simons, UC/Berkeley, on "Scheduling with Release Time and Deadlines," 1:30 p.m., Room 325 Whitmore.

Math, Jack Segal, Univ. of Washington, on "Shape Theory," 4 p.m., Room 117 McAllister.

Wednesday, March 21

E&MS Student Council, E.K. Graham, geophysics, on "Hearts of Heavenly Bodies - The Interior Compositions of Planets," 7:30 p.m., Room 26 Mineral Sciences.

Thursday, March 22

Chemistry, Milan Uskokovic, Hoffmann-LaRoche, on "Synthesis of Biotin," 12:45 p.m., Room 333 Whitmore.
 Computer Science, Chee K. Yap, UC/Berkeley, on "Space-Time Tradeoff and First Order Problems in a Simple Model of Program."



16th century scroll by Shen Chou at Museum of Art



Mounted rock at Museum of Art.

1:30 p.m., Room 325 Whitmore.
 Anthropology, Bruce Byland, grad. student, on "Archaeological and Ethnohistoric Approaches to the Study of Post Classic Polities in the Mixteca Region of Oaxaca, Mexico," 3:30 p.m., Room 113 Carpenter.
 Math, Ronald Graham, Bell Labs, on "Distance Polynomials of Graphs," 4 p.m., Room 115 McAllister.
 Interactive Computing, W. Morven Gentleman, Univ. of Waterloo, on "Why Timesharing," 7:30 p.m., Room 105 Forum.

Friday, March 23

Analytical Chemistry, P.M. Erickson, grad. student, on "Ruthenium-Histidine Complexes in Ribonucleic," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Shirley Brenner, recent drawings and paintings; John Ziegler, ceramics.

HUB Gallery: Art Alliance, multi media, Leon C. Yost, color photographs, opens March 18.

Kern Commons Gallery: Folk Art and Crafts: The Deep South, through March 24; Pennsylvania Guild of Craftsman, mixed media, and BFA/MFA Printmaking Invitational, both open March 24.

Museum of Art: Contemporary Japanese Pottery: French works and contemporary and antique ceramics from the permanent collection; C.C. Wang, paintings; Chinese paintings and mounted rocks.

Sackett Gallery: architecture students' drawings, photos and models, "Visual Communication Product of Light," through March 23.

Zoller Gallery: Eleanor Zygler, art (retired), paintings, opens March 23.

Arts Roundup

Chinese art at Museum

Two exhibitions of Chinese art, spanning seven centuries, have opened at the Museum of Art and will continue through May 6.

The exhibitions are "Chinese Paintings and Mounted Rocks" and "Paintings of C.C. Wang." In conjunction with the shows, the Friends of the Museum will sponsor a gallery talk by Walton J. Lord, associate professor of art history. Prof. Lord, who wrote the preface to the

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

paintings and rocks catalog, will discuss "Chinese Painting through Western Eyes" at 10:30 a.m. Tuesday, March 20, in the Museum.

"Chinese Paintings and Mounted Rocks" combines two aspects of Eastern art that are at once dissimilar and alike. The 17 paintings are finely executed works of art that attest to centuries of mastery of their craft by Chinese artists. In traditional oriental fashion, they take their subjects from nature, incorporating landscapes, flowers and birds.

The rocks, called *yen shan* (ink stone), come from nature itself - found objects that have been altered in no way except for cleaning. Their mountings, however, are elaborately carved wooden bases that are as exquisitely man-made as the rocks are natural.

Mr. Wang is a collector, as well as artist, and he has loaned 12 of the 13 rocks in the show. The other, the largest in the group, comes from the collection of Mrs. Henry D. Sharpe and has been seen once before in public, in 1967, at New York's Asia House.

In a short treatise for the catalog on "How and Why Chi Chuan Collects and Admires the *Yen Shan*," Mr. Wang offers his historical perspective on choosing the pieces.

"According to the Chinese literary sources, the rocks must first look lean; second, they must have lots of pleats; and third, there should be certain open spaces found on the body of the rocks, like the negative spaces in Henry Moore's sculptures."

No dates are given for the mounted rocks in the exhibition because, according to Museum director William Hull, none is known. Collecting rocks as works of art can be traced back to the 11th century in China.

The paintings sharing the gallery with the rocks date from the Southern Sung Dynasty, represented by an art album leaf from about 1300, through the 19th century.

C.C. Wang was born and lived in the south of China in the province of Su-chou. He now lives and works in New York.

His exhibition has 32 paintings, all executed in ink and watercolor on paper and matted and framed behind glass, a modern departure from the unprotected scrolls of earlier centuries of Chinese art. His traditional subject matter is taken from nature.

Smith piano recital March 19

The first North American performance of a contemporary concert event will highlight the piano recital of Steven Smith, associate professor of music, at 8:30 p.m. Monday, March 19, in the Music Building Recital Hall.

The premiere work is "Soleils Noirs," or "Black Suns," a piece written in 1967 by Antoine Tisne, a French composer whose honors include the First Prize of the Paris Conservatory, the Prix de Rome and the Koussévitch Foundation Prize.

Dr. Smith researched M. Tisne's compositions as part of his doctoral studies at the Eastman School of Music and worked directly with the composer last summer in Paris.

Also included in the Monday evening recital will be Fantasy in C Minor, K. 475, by Mozart; Sonata "Quasi una Fantasia," op. 27, No. 2 by Beethoven; Sonata in B Flat Minor, op. 35, the "Funeral March," by Chopin; and "Study in Repeated Notes" by John Beall.

Dr. Smith studied at Baylor University and was a Fulbright scholar at Mozarteum Academy in Salzburg. His teachers have included Cecile Genhart and Kurt Neuemuller.

(Continued on page 4)

Senate

(Continued from page 1)

economics," Senator Murray S. Martin warned. Implementation of the Subcommittee's recommendations could ultimately result in the hiring of fewer part-time people, Mr. Martin said.

The final section of the report provides an estimate of the costs of implementing the recommendations. The Subcommittee found that, "during the 1977 calendar year, there were 624 Fixed-Term II personnel who were paid approximately \$1,640,000. Based on these figures, each 1 percent increase in pay would cost approximately \$16,400. Thus a 5 percent pay increase would cost the University approximately \$82,000. For the faculty members on standing appointments, a 5 percent salary increase represents \$3,231,000, so that the part-time contribution is an added 2.5 percent. Of course, it must be kept in mind that some of the part-time faculty would be given pay raises in any event so that all of the

amount mentioned would not be added costs."

The table below shows the estimated costs of providing fringe benefits to "continuing" part-time faculty and staff members. It is University policy to provide similar benefits to both faculty and non-faculty employees.

In other action the Senate passed a proposed amendment to its *Constitution* giving medical students an opportunity to participate in the election of student senators. The amendment reads in part: "... The full-time, degree-seeking graduate and medical students at all locations shall elect 4 student Senators. The Graduate Student Association will conduct the election and provide an opportunity for participation at all locations. To the extent possible, the graduate/medical student Senators shall be elected from different disciplines; there shall be no more than one graduate/medical student Senator from any one academic college or any one non-University Park location. . . ."

Estimated Costs of Providing Fringe Benefits to "Continuing" Part-time Faculty and Staff Members

Classification Category	Number	Estimated University Cost Per Year
Academic	21	\$ 6,100
Staff Exempt	5	12,900
Staff Nonexempt	14	19,400
Clerical	61	160,700
Technical Service	23	57,100
Totals	144	\$256,200

Note: If the two-year qualifying period were not included in the definition, the cost would be approximately \$1,250,000 per year.

News in Brief

(Continued from page 1)

the Institute for Radio-TV and the Ohio State University.

The prestigious annual awards are the oldest program competition in broadcasting. Founded in 1936, they recognize meritorious achievement in educational, informational and public affairs broadcasting. Entries represent the best programming of non-commercial and commercial broadcasters and production agencies from the U.S. and Canada.

Waiting for Lefty was a cooperative effort between the College of Arts and Architecture and the University Division of Instructional Services. Sharon Siebert, production specialist for Instructional Television Services, directed the play for television. It was acted by members of the University's Arts Company, under the direction of Bob Leonard.

Arts roundup

(Continued from page 3)

Alard concert March 21

The Alard String Quartet, who have just returned from touring in Florida, will present their first campus concert of the spring season at 8:30 p.m. Wednesday, March 21, in the Music Building Recital Hall.

Verdi's Quartet, Bartok's Quartet No. 1 and Brahms' Quartet in A Minor, op. 51, No. 2 will make up the Wednesday evening program.

The quartet members — Joanne Zagst Feldman and Donald Hopkins, violinists, Raymond Page, violist, and Leonard Feldman, cellist — are all associate professors of music at the University.

INTERCOM is an internal communications medium published weekly during the first terms of the class schedule for the academic community of The Pennsylvania State University.

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Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. March 22, 1979. DD NDT CONTACT THE AREA THAT HAS THE VACANCY.

HOUSEKEEPING SUPERVISOR — HDUSING AND FOOD SERVICES. Behrend College. Responsible to the Manager of Housing and Food Services, Behrend College, for administering and coordinating the housekeeping functions in the residence halls at Behrend. A bachelor's degree or equivalent is required, plus one to two years of directly related experience.

A Senate Report

Editor's note: The text of the Senate's second recommendation on part-time faculty follows:

The contribution of "continuing" part-time faculty should be recognized by establishing a new appointment category which is comparable to the Fixed Term I appointment category now used for non-tenure track full-time faculty appointments. The subcommittee also suggests the establishment of a part-time standing appointment category to be used on a limited basis to meet special needs.

Concepts and principles illustrative of these positions are presented below. An actual policy language would have to be drafted in accord with the consistent with other University Policies.

1. Amend PS-6 — Types of Appointments — to incorporate provision for standing Appointment-Type B and Fixed-Term I Appointment-Type B. These appointments should incorporate the following provisions:

- Fixed-Term I Appointment-Type B**
 - At least one-half time for at least three academic terms or nine calendar months, with a specified ending date, to be made only after the incumbent has held an appointment of at least one-half time for at least three academic terms or nine calendar months in the two fiscal years immediately preceding the Fixed-Term I Appointment-Type B.
 - Fixed-Term I Appointments-Type B are discontinued at the specified ending date but may be renewed.
 - Successive Type B Appointments may be made provided the requirements specified in a. (1) above continue to be met.
 - While no official leave can be granted for a fixed term contract, the following conditions apply for

reappointment to a Fixed-Term I-Type B Appointment in order to eliminate the need for a two year qualifying period

- A reappointment for less than three terms or for less than half-time is allowed, but not more than once every three years.
- A delay in reappointment of up to one year is allowed, but not more often than once in three years.
- Although the Fixed-Term I Appointment-Type B is made on a temporary basis, the source of funds may be either permanent or

temporary.

- Standing Appointment-Type B
 - At least one-half time with no specified ending date.
 - Terminable only upon appropriate notice of termination in accordance with notification standard for standing appointments.
 - Supported by permanently budgeted funds.
- Incorporate into University personnel policy and practice the following provisions relating to professional considerations for Fixed-Term I Appointments Type B and Standing Appointments-Type B:

Provision	Fixed-Term Appointment-Type B	Standing Appointment-Type B
A. Hiring procedures	(1) Continuation of current practice.	(1) For new positions follow the procedures of PS-13 for full-time standing appointments.
B. Qualifications for Academic Rank:	(1) As defined in PS-21.	(1) As defined in PS-21.
C. Determination of rank at time of initial appointment:	(1) By department head or equivalent.	(1) By Dean or equivalent upon recommendation of department head or equivalent.
D. Evaluations	(1) Same practice as for full-time Fixed Term I appointments.	(1) Same policy as for full-time standing appointments.
E. Promotion:	(1) Reappointment to the rank of assistant professor or equivalent may be made by the academic dean or equivalent upon recommendation of the department head. (2) Reappointment to the rank of associate professor or equivalent may be made only with the approval of the University Provost.	(1) Promotion shall follow the provisions set forth in PS-23
F. Tenure:	(1) Does not apply.	(1) Already tenured faculty who go from full-time to part-time standing appointments will retain tenure status. Detailed policy would need to be developed by the Faculty Affairs Committee. (2) Whether the review criteria and provisions set forth in PS-23, notification standards should be applicable to Type B appointments at the rank of assistant professor or equivalent or above should be further studied by the Faculty Affairs Committee.
G. Termination:	(1) Specified ending date with no guarantee of re-employment. (2) Advance notification of re-employment when administratively feasible. (3) For "adequate cause" as defined in PS-23, specified ending date does not apply.	(1) No specified ending date. (2) Standards of notification as follows: Period of Service — Notice (a) First 12 mos. — 90 days (b) Second 12 mos. — 180 days (c) Greater than 24 months — 12 months (3) For "adequate cause" as defined in PS-23, notification standards do not apply.
H. Appeals:	(1) Disputes regarding dismissal or nonre-appointment (PS-76, Scope C.1 and C.2) may be considered by The Faculty Rights and Responsibilities Com.	(1) Disputes regarding dismissal (PS-76, Scope C.1) may be considered by The Faculty Rights and Responsibilities Committee.
I. University Faculty Senate Membership:	(1) Does not apply.	(1) Eligible for membership. (2) Standing Appointees-Type B shall be counted in determining the number of Senate representatives from each voting unit.
J. Graduate Faculty Status:	(1) Eligible according to standard qualifications and procedures.	(1) Eligible according to standard qualifications and procedures.
K. Sabbatical Leave:	(1) Ineligible.	(1) Eligible.
L. Leave Without Pay:	(1) Ineligible.	(1) Eligible.
M. Graduate Study Leave:	(1) Ineligible.	(1) Eligible at one-half the normal compensation formula.

Penn State Intercom

Photography events start Tuesday

Weston Naef, associate curator of photography at the Metropolitan Museum of Art, will present a lecture on "The Strieglitz Collection" Tuesday, March 27, the first of three talks in the 1979 History of Photography Events. All the lectures will be held at 8 p.m. in Room 101 Kern Graduate Building.

Mr. Naef organized the recent exhibition, "The Collection of Alfred Strieglitz: Fifty Pioneers of Modern Photography," at the Metropolitan Museum and wrote the accompanying catalog.

Gisele Freund, a member of the French Federation of Creative Photographers, will speak on "Photography and Society" Thursday, March 29.

Ms. Freund, the first person to present a doctoral thesis on the history of photography, studied at the Sorbonne. She has been a reporter and photojournalist for numerous publications, including Life magazine, and she joined the Magnum picture agency in Paris in the late 1940s.

Exhibitions of her work have been held in numerous museums and galleries, among them, New York's Museum of Modern Art.

The author of eight books, she specializes in the analysis of photography's role in society.

Karin Becker Ohn, assistant professor in the School of Journalism at the University of Iowa, will present a lecture titled "The Photography of Dorothea Lange" Thursday, April 5.

Ms. Ohn conducts research on the theory of visual communication at the University of Iowa. She has written a book on Dorothea Lange, who is probably best known for her photographs of migrant workers during the 1930s.

A seminar entitled "Photographic Conservation" will be presented by Susan Barger, graduate student at Penn State, on Monday, April 2. Graduate students Kathleen Fuller, Kathleen Kussick, Elizabeth Klenz and Gillian Greenhill will conduct a seminar on "Research Problems in the History of Photography" Wednesday, April 4. Both seminars will be held at 4 p.m. in Room 230 Arts Building.

Two exhibitions will be on display as part of the 1979 History of Photography Events. "Photographically Illustrated Books" will be in the Rare Books Room of



Photographer Gisele Freund will lecture on March 29.

Pattee Library March 26 through April 7. This show is being arranged by Charles Mann, head of Special Collections.

"History of Photography Museums (Architecture)," arranged by Louis Inerra,

associate professor of architecture, will be on display in the HUB Exhibition Room March 26-30.

History of Photography Events are
(Continued on page 3)

News in Brief

Irene Worth to give program of readings

Irene Worth, one of America's and Britain's leading classical actresses, will appear under the auspices of the Artists Series at 8:30 p.m. Friday, March 30, in Schwab Auditorium.

Her two-part program will include a segment entitled "Letters of Love and Affection," in which she will read letters from personages ranging from Elizabeth I and Mozart to Louisa May Alcott. In the second portion of the program, Ms. Worth will recreate some of her more famous Shakespearean roles.

Although Ms. Worth has been closely identified with Britain's classical theatre and has received Britain's Best Actress Awards for theatre, film and television, she is an American. Born in Nebraska in 1916, she made her Broadway debut in 1943 in *The Two Mrs. Carralls*.

At the Old Vic in London, her

portrayals of Desdemona as a willful young aristocrat, passionately in love with the Moor, and of Helena in *A Midsummer Night's Dream* drew acclaim from both critics and audiences.

Later, with director Tyrone Guthrie and co-star Alec Guinness, she helped create the Canadian Shakespeare Festival at Stratford, Ontario. Her roles there included Queen Margaret in *Richard III*, Helena in *All's Well That Ends Well*, and Rosalind in *As You Like It*.

Ms. Worth has received two Tony Awards, one for her performance in Edward Albee's *Tiny Alice* and one for her role in Tennessee Williams' *Sweet Bird of Youth*.

Her most recent success occurred in 1977 when she received the Drama Desk Award for her portrayal of Madame Ranevskaya in Chekhov's *The Cherry Orchard* at Lincoln Center. Walter Kerr of the *New York Times* wrote of this performance: "Brilliant at every turn, Irene Worth is just possibly the best actress in the world."

Tickets for Ms. Worth's performance will be on sale Tuesday through Friday, March 27-30, from 9 a.m. to 4 p.m. at the Eisenhower Auditorium Box Office and the Artists Series HUB booth. All seats are unreserved.

Help wanted ads must be reviewed

The Office of Personnel Administration would like to remind faculty and staff of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements to insure that they are in compliance with State and federal legislation and that a standard of public relations is maintained. (See PS-33, Help Wanted Advertising, in the University Policy Manual.)

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387

(Network number 475-1387), before taking any formal action.

Homoerotic ritual of football is topic of UC folklorist

Dr. Alan Dundes, head of the folklore programs in the Department of Anthropology at the University of California at Berkeley, will be at University Park next week to give two lectures.

On Thursday, March 29, at 7:30 p.m. in Room 105 Forum, Prof. Dundes will speak about "Football as a Homoerotic Ritual." Dr. Dundes has offered his "psychoanalysis" of American football on several TV talk shows during the year.

Dr. Dundes will talk about "Folklore in the Modern World," his special field of study, on Friday, March 30, at 7:30 p.m. in Room 115 Electrical Engineering West. He has written three books on folklore, *Every Man His Way* (readings in cultural anthropology), *The Study of Folklore* and
(Continued on page 4)



Education Secretary Scanlon addresses University Park conference.

Conference on Master Plan held

Representatives of ten institutions from the Higher Education Planning Council of Region IV met Friday at the J. Orvis Keller Conference Center to discuss implementation of the 1978 Master Plan for Higher Education in Pennsylvania.

"Planning is not glamorous and sometimes it is one of the easiest things to put to the side," University President John W. Oswald said in his opening remarks. "But there is no more important activity in which a president or chief executive can be directly involved."

Dr. Oswald introduced Dr. Robert G. Scanlon, newly appointed State Secretary of Education, who was the featured speaker. Dr. Scanlon told the audience that the master plan, approved in November by the State Board of Education, was a strong advocacy document, but added that he had a number of criticisms and suggestions.

He affirmed the State government's

commitment to higher education, asking the assembled educators, "When was the last time you can remember a governor saying basic and higher education were the second and third priorities?"

Dr. Scanlon described the master plan as a document required by law that describes the present policies of the State Board of Education. He also said it was a consensus document reflecting cooperation among members of the higher education community in Pennsylvania.

He called the plan, which contains 37 recommendations, a statement of the preservation and strengthening of the status quo and a set of advice to the General Assembly and the Governor.

Dr. Scanlon said he felt the new plan did not establish a distinctive mission for each sector of higher education in the State, nor did it elaborate on projected enrollment
(Continued on page 4)

Penn Staters

Dr. James J. Staudenmeier has been appointed associate director for academic affairs at the Hazleton Campus, effective March 1. He had been serving as registrar, scheduling officer and admissions officer at the Campus since 1974. During 1972-73, he was director of Hazleton's Career Development and Placement Counseling Center and Educational Opportunity Program coordinator. From 1967 to 1972, he was an assistant professor of psychology and psychologist with the Division of Counseling for the Hazleton, Wilkes-Barre and Scranton Campuses.

Dr. Staudenmeier earned his B.S. at Mount Saint Mary's College, Emmitsburg, Md., in economics and attended Dickinson School of Law. His M.S. in guidance and counseling was earned by Bucknell University and his D.Ed. in counselor education by Penn State.

Dr. Walter H. Walters, dean of the College of Arts and Architecture, has been named to two positions with the National Association of State Universities and Land-Grant Colleges (NASULGC). Dean Walters will serve a second three-year term on the group's Commission on Fine Art, of which he has been appointed chairman for the fourth year. The commission, which was instituted in 1976, seeks to identify and support the growing involvement of its members with the arts. Dean Walters has also been named to a one-year term on NASULGC's Committee on International Affairs. This 23-member group provides advice and action in matters of association concern in the broad area of international affairs.

Dr. D.R. Frankl, professor of physics, recently presented a seminar at the Joint Applied Physics/Chemical Physics Seminar at the California Institute of Technology. He discussed "Diffraction and Selective Absorption of Atomic Beams at Crystal Surfaces."

Dr. David L. Pearson, assistant professor of biology, presented a paper at the Fifth International Symposium of the Association for Tropical Biology in Caracas, Venezuela, last month. He discussed "Historical Factors and the Interpretation of Lowland Forest Bird Species Richness and Distribution in Western Amazonia, West Africa, Borneo, and New Guinea."

Dr. Thomas E. Long, associate professor of occupational and vocational studies, has recently been elected as vice president of the Pennsylvania Division of the American Trauma Society. The Trauma Society is dedicated to educating the public and health professionals about trauma and supports research and the development of emergency services and communications systems.

Ron Gallas, assistant professor of art, is one of five ceramists whose works are on display at the invitational exhibition, "Unpots," in the Kipp Gallery at Indiana University of Pennsylvania through March 29.

Paul West, professor of Arts and Fellow of the Institute for the Arts and Humanistic Studies, was present, as a guest of NASA, at the Jet Propulsion Laboratory, Pasadena, during receipt of images of Jupiter and Io from the Voyager spacecraft on March 5. He is preparing a series of essays on space research, one of which, "A Cockpit Meditation" on the Space Shuttle, will appear in *Quest* magazine. Prof. West has also been invited to attend the launch and return of the Space Shuttle later this year.

Leila Moore, assistant professor of education, has been elected to a three-year term on the Directorate of Commission XII, American College Personnel Association. Commission XII focuses on the professional preparation for student personnel work at the post-secondary level.

Dr. Robert A. Schlegel, assistant professor of microbiology and cell biology, presented invited lectures during Winter Term at the University of Texas, Austin; Amherst College; Memorial University of Newfoundland; School of Medicine, St. John's, Newfoundland; and the Dalhousie University School of Medicine, Halifax, Nova Scotia. He discussed aspects of his research on chromatin structure and introduction of macromolecules into viable mammalian cells.

Dr. Warren F. Witzig recently delivered a series of invited lectures on nuclear energy entitled, "Will There Be a Nuclear Alternative?" at the Forum Atomico Espanol in Madrid, Spain. At the University of Madrid, the Universidad Politecnica de Valencia and the Junta Energia Nuclear, he spoke on radioactive waste disposal and nuclear safety. He also lectured on these topics to a round table of educators, industrialists, and politicians at the Fundacion Valenciana de Estudios Avanzados. Dr. Witzig is professor and head of nuclear engineering.

Dr. Jeffrey S. Lannin, assistant professor of physics, recently presented invited lectures at the Bell Telephone and Exxon Research Laboratories. He discussed Raman scattering in amorphous solids.

Joseph L. Wysocki, associate professor and family housing specialist of the Cooperative Extension Service, and Roberta Null, assistant professor of housing, Purdue University, were co-editors of a recent issue of *Housing & Society*, the Journal of the American Association of Housing Educators. The 56-page issue focused on housing education.

Viewpoint

Penny-wise?

These columns recently carried a claim that the new University telephone long-distance charge system has "saved" the University nearly \$100,000 per year. Since the perception of many faculty on the relative benefits of the new telephone system is very different, it would be most instructive if the cost benefit analysis, which was no doubt carried out to make such a claim, were reported in INTERCOM.

First, it is obviously naive to assume that cutting the telephone bill is saving money. The extreme way to do this would be to pull out all telephones, whereby even larger sums would be saved. If, as I claim, maximizing the use of all electronic communications for University business is the most cost-effective system, then cutting the telephone bill may be a financial disaster. Moreover, the annoyance of 18 digit dialling and reading monthly bills by 2,000 faculty and administrators is not easy to factor in. One must also enquire about how the alleged savings were calculated. My own back of the envelope cost-benefit analysis yields the following result of a comparison of the old and new University WATS systems:

- (a) OLD: 1 digit access code
NEW: 8 digit access code; 12 seconds extra dialling per call x 2000 calls/day = around 1 working day of faculty time per day = \$125 per day = \$3,000 per month LOST.
- (b) OLD: Letters minimized.
NEW: One extra letter per day instead of telephone @55 per letter, est., 20 letters per month = \$100 x 100 units = \$10,000 per month LOST.
- (c) OLD: No checking on long lists of calls.
NEW: Time to check on calls - 3 levels @ 10 min. per bill = 30 min. x 10 bills = 5 hrs. x 100 units = 500 hrs/8 = 60 man days = 2 man months @ \$1250 = \$2500 LOST per month.
- (d) OLD: No. of IDT's processed, at \$15 per IDT, minimized. Prorated quarterly charges possible.

NEW: Depending on the unit, large number of IDT's have to be processed. (In our case this is over 50 IDT's per month. However, in non-research units it may be only 2 or 3). Difficult to obtain weighted University average; but even in a department or unit processing 10 extra IDT's, the LOSS is 10 x \$15 = \$150 per month. In a large unit it is \$750 per month (equal to or greater than the telephone bill).

TOTAL \$ LOSSES (a+b+c) = \$180,000 per year + d, est. \$50,000-150,000.
ESTIMATE OF TOTAL LOSSES IN NEW SYSTEM = \$230,000-\$360,000

The nation is becoming increasingly aware of the need for systematic technology assessment and techniques for this are well-developed. The University community would be well served by an awareness of the approach. Indeed, let me present the argument that since the future of communication is moving inexorably from the letter and hard copy transmission, to telephone-computer talk, that any inhibition or minimizing of telephone usage is, in the long-run at least, likely to prove to be penny-wise and pound-foolish. Sharing of the administration's thinking and analysis would be of interest to all the faculty.

Rustum Roy, Director
Materials Research Lab.

Obituaries

Dr. Albrecht W. Hussman, professor of engineering research from 1951 to 1962 and a visiting professor in 1967, died March 5 at the age of 73. Dr. Hussman, whose research centered on problems presented by advanced piston and turbine engines, taught courses in mechanical engineering.

William S. Clarke, Jr., an assistant professor of pomology from 1929 until his retirement in 1968, died March 15. He was 76. Mr. Clarke received his B.S. and M.S. from Penn State in horticulture in 1925 and 1926, respectively.

Knex Fowler, a former professor of theatre arts, died March 12 at the age of 50. Mr. Fowler joined the faculty in 1974 as coordinator of the directing program in the Department of Theatre and Film. He was a member of the faculty until 1977.

Funding Sources

For further information, call 865-1372

(326-1) DEADLINES AND DOCUMENTS REQUIRED FOR NOMINATING AND ENDORSING APPLICANTS FOR 1979-80 GRADUATE SCHOOL FINANCIAL AWARDS

(For further information inquire at 320 Kern, 865-2514.)

April 4, 1979. Applications for Summer and Fall Term tuition grants-in-aid are due in 320 Kern Graduate Bldg. Applications must be endorsed by department head or graduate officer. Applications must be supported by transcripts and two or more letters of recommendation. The latter should be concerned primarily with the degree of neediness of the applicant. Only students who will have completed at least two terms at Penn State at the start of the grant may apply, except that Departments may petition to waive this limitation for cases of unusual, unanticipated need, explaining why need was unanticipated before start of graduate study. Awards will be announced about May 16.

June 29, 1979. A few tuition grants-in-aid for Fall may remain to be awarded. Any late applications received by this date will be considered. See comments under April 4 for procedures and documents required. Awards will be announced about Aug. 7.

Sept. 21, 1979. Applications for Winter Term tuition grants-in-aid are due in 320 Kern Graduate Bldg. Winter Term applications may be accompanied by applications for renewal for the Spring Term. Awards will be announced about Nov. 7. See comments under April 4 for procedures and documents required.

Jan. 4, 1980. Applications for Spring Term tuition grants-in-aid are due in 320 Kern Graduate Bldg. Applicants wishing to apply for Summer renewals may do so simultaneously. See comments under April 4 for procedures and documents required. Awards will be announced about Feb. 13.

Feb. 1, 1980. Applications by PSU graduate students for all Fellowships and Traineeships awarded by the Graduate School are due in 320 Kern Graduate Bldg. Each applicant must be nominated by his graduate major. Not more than three nominations per major (exclusive of federally supported and educational-opportunity programs) are allowed. The application must be supported by three letters of recommendation and complete transcripts. Awards will be announced during the week of March 27. GRE verbal, quantitative and analytical scores or the equivalent are required of applicants for all awards except renewal applications.

Feb. 15, 1980. Applications by incoming graduate students for all fellowships and traineeships offered by the Graduate School are due in 320 Kern Graduate Bldg. Applicant must be nominated by his graduate major, limit of three nominations per major (in addition to three already enrolled nominees, but no more than three total awards to any one major except for minority and federally funded awards). Applications must be supported by complete transcripts, at least three letters of recommendation and GRE verbal, quantitative and analytical scores or the equivalent. Awards will be announced during the week of March 27 (in past years, many minority applications were received and approved late. Late applications for this program will be considered only for those awards not already given to students who were nominated on time. Regular Graduate School fellowship funds will be committed to students whose applications are received on time.)

April 4, 1980. Applications for Summer and Fall Term grants-in-aid are due in 320 Kern Graduate Bldg. See note under April 4 for procedures and documents required. Awards will be announced about May 16. A few Fall awards may be available to applicants applying as late as June 30.

Fouraker to deliver Elliott Public Lecture

Dr. Lawrence E. Fouraker, dean of the Harvard Graduate School of Business Administration, will deliver the William Elliott Public Lecture at 9:45 a.m. Friday, April 6, in Kern Auditorium.

The address, on management's need to be accountable, will open the fifth annual William Elliott Invitational Conference April 6-7 in the University's College of Business Administration. Invitations have been issued to senior level executives of trade associations and leading academicians in the insurance field.

Dr. Fouraker has been on the Harvard faculty since 1963 and has been dean since 1970. He was professor of economics at Penn State from 1951 to 1961. He served as acting director of the Economics Program of the National Science Foundation from 1960 to 1962.

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University Park Calendar

March 22-
April 1

Special Events

Thursday, March 22

Japanese Language and Literature films, "Yoshinoyama — Classical Japanese Dance," Shinto: Nature, Gods and Man in Japan," and others, 7:30 p.m., HUB Assembly Hall.

Friday, March 23

Board of Trustees meeting, Hershey. Sports: men's tennis, vs. Howard, 3 p.m. Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. Also March 25. HUB Concert, Bob Ortiz and Winterwood, 9 p.m., HUB Ballroom.

Saturday, March 24

Board of Trustees meeting, Hershey. Robeson Cultural Center, trip to Washington, D.C. Shaver's Creek Environmental Center, workshop in natural basketry. Model Railroad Club Model Contest, 10 a.m.-1 p.m., registration: 1-4 p.m., show, Old Art Gallery, HUB.

Sports: women's fencing, vs. Cornell, William Paterson and Indiana (Pa.), 10 a.m. France-Cinema, 12th Tournee of Animation, 7 and 9 p.m., Room 112 Kern. Also March 26.

Sunday, March 25

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Kermit Lloyd, Episcopal Diocese of Central Pa., speaker. Sports: men's tennis, vs. Swarthmore, noon. Phi Mu Alpha Jazz Band Concert, 3 p.m., Music Bldg. Recital Hall. USC Mini Concert, 8 p.m., HUB Ballroom. Tom Sheehan, piano.

Tuesday, March 27

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Lynn Miller, speech communication, on "Ensemble Performance of Natalie Sarrague's Tropisms."

Comp. Lit. Film Series, *Mahanagar*, 7 and 9 p.m., Room 112 Kern. Afro-American Studies Forum, 7:30 p.m., Robeson Cultural Center. Charles T. Davis, English, Yale Univ., on "The Mixed Heritage of the Modern Black Novel: Ralph Ellison and Friends."

History of Photography Lecture, 8 p.m., Room 101 Kern. Weston Naef, associate curator of photography, The Metropolitan Museum of New York, on "The Stereographic Collection."

Wednesday, March 28

Overda Page, flute recital, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, March 29

Sports: women's lacrosse, vs. Temple, 3 p.m. Folklore Lecture, 7:30 p.m., Room 105 Forum. Alan Dundes, folklore program, Univ. of California/Berkeley, on "Football as a Homosexual Ritual." History of Photography Lecture, 8 p.m., Room 101 Kern. Gisèle Freund, French Federation of Creative Photographers, on "Photography and Society." Chigwell School, Essex, England, Chamber Orchestra Concert, 8:30 p.m., Schwab.



Top photo — ceramics from Museum of Art's permanent collection; bottom — exhibits by contemporary Japanese potters.

Friday, March 30

Sports: women's gymnastics, AIWW Championships, through March 31; women's tennis, vs. Trenton State, 6 p.m. Commonsplace Theatre, *Harold and Maude*, 7 and 9 p.m., Room 112 Kern. Also April 1. Folklore Lecture, 7:30 p.m., Room 115 EE West. Alan Dundes, Univ. of Cal/Berkeley, on "Folklore in the Modern World." Artists Series, Irene Worth in series of dramatic readings, 8:30 p.m., Schwab.

Saturday, March 31

Faculty/Staff/Grad Student Swim Relay, 7 a.m.-5 p.m., Natatorium. Sports: baseball, vs. St. Francis (2), 1 p.m., women's tennis, vs. William and Mary, 1 p.m. France-Cinema, *False Movement*, 7 and 9 p.m., Room 112 Kern. Also April 2. Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 1

Sports: women's tennis, vs. James Madison, 9 a.m.; baseball, vs. Duquesne, 1:30 p.m. University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Leopold Krul, O.S.B., Catholic Center, speaker. Suzanne Roy, soprano, 3:30 p.m., Music Bldg. Recital Hall.

aired Sunday, March 25, at 10 p.m.

Many Montana residents are worried about the environmental effects of a coal boom, strip-mining, and power production on their state. Monday, March 26, at 3 p.m., a one-hour documentary, *Up In Rosebud Country*, examines the change through the eyes of three individuals who live within 30 miles of one another — a coal company executive, a rancher, and the leader of a Northern Cheyenne Indian tribe.

Richard III, William Shakespeare's history exploring "sad stories of the death of kings," is featured Wednesday, March 28, at 8 p.m., on *The Shakespeare Plays*. Derik Jacobi (of I, Claudius) and Sir John Gielgud star.

Though more than a fifth of the earth's population lives in The People's Republic of China, the world's largest nation is still an enigma to most westerners. World

Seminars

Friday, March 23

Analytical Chemistry. P.M. Erickson, graduate student, on "Ruthenium-Histidine Complexes in Ribonuclease," 11:10 a.m., Room 333 Whitmore. Physical Chemistry. Clarence Hisatsune, chemistry, on "Rapid-Scan Spectroscopy," 4 p.m., Room 333 Whitmore.

Monday, March 26

Biochemistry. R. Ormberg, NIH, Bethesda, on "X-Ray Probe Analysis of Calcium Localization," 12:30 p.m., Room 101 Althouse.

Research Applications of Computers, Jeffrey Spinn, computer science, on "Introduction to Virtual Machines," 1 p.m., Room 325 Whitmore.

Biochemistry/Biology. Tom Reese, NIH, Bethesda, on "Exocytosis," 3:55 p.m., Room 101 Althouse.

Tuesday, March 27

Plant Pathology, Barbara Stuehling, graduate student, on "Competition: The Struggle for Existence in the Soil," 9:45 a.m., Room 213 Buckhout.

Biology, James R. Spoltis, State Univ. College of Buffalo, on "Constraints of Body Size and Environment on the Body Temperature of

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Dinosaurs," 11:10 a.m., Room 112 Buckhout.

Solid Waste Management, Howard Bartlett, agricultural engineering, on "Methane Recovery and Use Experiences at PSU Dairy Center," 2:30 p.m., Room 62 Willard.

History, E-Tu Zen Sun, history, on "Peng Pai and the Kwantung Peasants: Is Political History Only Politics?" 2:30 p.m., Room 101 Kern.

Transportation and Energy, William Barker, North Central Texas Council of Governments, on "Transportation Under an Energy Shortfall: Contingency Planning in North Central Texas," 3:30 p.m., Room 110 Sackett.

Geosciences, Hatten S. Yoder, Jr., Geophysical Lab, Carnegie Institution of Washington, D.C., on "Magma Sequences and Thermal Models," 3:45 p.m., Room 22 DeLo.

Astronomy, Robert E. Stencel, Goddard Space Flight Center, on "IUE Observations of 32 Cygni," 4 p.m., Room 445 Davey.

Research Applications of Computers, Juan Rodriguez-Rosell, IBM Corp., Gaithersburg, Md., on "Virtual Machines as a Vehicle for Systems Performance Evaluation," 4 p.m., Room 325 Whitmore.

Inorganic Chemistry, Dennis Owsley, Monsanto Corp., on "Industrial Research: From the Bench to the Pilot Plant," 8 p.m., Room 333 Whitmore.

Thursday, March 29

Chemistry, M. V. Novotny, Univ. of Indiana, on "Techniques of Transport Under an Energy Shortfall: Contingency Planning in North Central Texas," 12:45 p.m., Room 333 Whitmore.

Physics, Malvin Ruderman, Columbia Univ., on "Supernovae and Terrestrial Life," 3:50 p.m., Room 117 Osmond.

Meteorology, Frank Pinkowski, Meteorology Division, EPA, Research Triangle Park, NC, on "An Overview of EPA Field Programs," 3:55 p.m., Room 113 Walker.

Philosophy, Reiner Schurmann, New School for Social Research, on "The Principles of Anarchy: A Deconstruction of the Political," 4 p.m., Room 69 Willard.

Exhibits

Chambers Gallery: Shirley Bernreuter, recent drawings and paintings, and John Ziegler, ceramics, through March 28.

HUB Gallery: "History of Photography Museums (Architecture)," March 26-30. Art Alliance exhibit, Leon Yost, photographs; Doty Toone, drawings, and Hunt Speedball Calligraphy exhibit, both open April 1.

Kern Commons Gallery: "Folk Art and Crafts: The Deep South," through March 24. Pennsylvania Guild of Craftsmen — mixed media, and BFA/MFA Printmaking Invitational, both open March 24.

Museum of Art: Contemporary Japanese Pottery: paintings by C.C. Wang; Chinese paintings and mounted rocks; French works, and contemporary and antique ceramics from the permanent collection.

Pattee Library: "Photographically Illustrated 19th Century Books," opens March 26, Rare Books Room.

Zoller Gallery: Eleanor Zygler, paintings, "Close Encounters of the Natural Kind," opens March 24.

New book for hikers

A new book, designed to interest both novice and veteran hikers and backpackers, has been authored by Thomas Thwaites, associate professor of physics and advisor to the Hiking Division of the Penn State Outing Club.

Fifty Hikes in Central Pennsylvania was published by the New Hampshire Publishing Company. It includes 15 introductory walks, 30 day hikes and five backpacking trips in Central Pennsylvania. Photographs, route directions, individual sketch maps and background information accompany the text.

WPSX Highlights

Publisher Katherine Graham, singer Helen Reddy, Congresswoman Shirley Chisholm, and Indian activist LaDonna Harris talk about their careers, womanhood, and women's status on Turnabout Saturday, March 24, at 7 p.m.

Sunday, March 25, at 3 p.m., a live, three-hour Tax Clinic guides viewers step-by-step through the completion of their Form 1040 and 1040A federal tax returns. Consultants from the Internal Revenue Service will provide information on tax law changes, and many IRS offices in Pennsylvania will be open during the broadcast to handle inquiries from viewers.

A one-hour special, *Here to Make Music!* Zakah, Perlman and Pinchas Zukerman, features the pair of violinists during a 1976 European concert tour. The show will be

Photography

(Continued from page 1)

sponsored by the Institute for the Arts and Humanistic Studies, in cooperation with the Cultural Series Program of the French Embassy and the School of Journalism at Penn State. Coordinators for the events are Heinz K. Henisch, professor of the history of photography, and Harley Straus, instructor of photojournalism.

From the Press

Northrop Frye and Critical Method, by Robert D. Denham. 262 pages. \$12.75.

This work argues that Northrop Frye, one of the most influential critical writers since 1950, raises the right questions in his speculations about literature. Dr. Denham's book goes beyond what others have said about Frye by placing the details of his arguments — and the questions he poses — in the context of his total view of literature and criticism.

The first systematic and comprehensive analysis of Frye's work, this book examines his theoretical, his practical, and his cultural and social criticism. And because Frye is a schematic thinker, the book includes a number of charts designed to guide readers through the patterns of his thought.

Dr. Denham is chairman of the English department at Emory and Henry College. The editor of *Northrop Frye on Culture and Literature*, he has also published a Frye bibliography and numerous articles on critical method.

The Baltic States in Peace and War: 1917-1945, edited by V. Stanley Vardy and Romald J. Misunas. 240 pages. \$25.50.

Following a historical introduction to the political development of the Baltic states, this book examines the internal and external aspects of Lithuanian, Latvian, and Estonian nationhood.

Part I depicts the triumph of independence movements. Part II compares the new nations' domestic policies, notably treatment of ethnic minorities and authoritarian responses to economic problems. Part III analyzes the Baltic states' relations with Germany, Great Britain, and the USSR, as well as efforts among the Balts to form a Baltic Union. Part IV examines the events surrounding Soviet annexation of the Baltic nations in 1944, together with the Soviet interpretation of the annexation.

Sources for the book are Finnish, German, British, American, and especially Soviet (both Russian and Lithuanian) archives, including some hitherto unpublished documents. The contributors are an international group of scholars

including, along with Professors Misunas and Vardy, Edgar Anderson, Olavi Arens, David M. Crowe Jr., Alexander Dallin, Dennis J. Dunn, Michael Garfield, David Kirby, Boris Meissner, Julius P. Slavens, Aba Strazdas, and Charles L. Sullivan. Dr. Vardy is professor of political science at the University of Oklahoma, and has been an associate of the Harvard Russian Research Center. Dr. Misunas teaches history at Williams College and has been an exchange scholar at Moscow and Warsaw Universities.

Continuing Presences: Virginia Woolf's Use of Literary Allusion, by Beverly Ann Schlack. 195 pages. \$10.75.

Both a critical interpretation and a concordance to the allusions in five representative Woolf novels, this book shows that her allusiveness is not mere embroidery but is a functional aspect of her style, contributing to plot action, setting, characterization, theme, and structure.

Woolf's novels become richer when a key is given to their many-layered allusiveness. This is often indirect, as when Woolf paraphrases Plato, Virgil, or Pope; often direct but obscure, as when she refers to a comic character named Jorjacks from an 1838 popular novel. A key is needed by most readers in an era when the shared body of literary knowledge — including myth, the Bible, Shakespeare — has largely disappeared.

Dr. Schlack's five critical chapters focus on a cross-section of the Woolf canon: the three singular, unclassifiable novels (*Jacob's Room*, *Orlando*, *The Waves*), one "novel of fact" (*The Voyage Out*), and one "novel of vision" (*Mrs. Dalloway*). The second part of the book provides, for each of the five novels, an alphabetical list of authors, titles, and fictional or legendary characters used by Woolf, with page references to the novels and explanatory comments. This is followed by a valuable biography of works by and about Woolf.

A founding member of the Virginia Woolf Society, Dr. Schlack has written, lectured, and taught extensively about Virginia and Leonard Woolf, the Bloomsbury Group, and women in literature. She holds her three degrees from New York University.

journalistic writing, and public relations. Relevant experience in health care is desirable.

CLASSIFICATION ANALYST-OFFICE OF PERSONNEL ADMINISTRATION, University Park — Responsible for assisting in the implementation of wage and salary plans of the University. Gather information for the review of existing positions or the evaluation of new positions. Write job descriptions based on the completed data in conducting research, surveys and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of one to two years of directly related experience.

PHYSICIAN'S ASSISTANT-FIRST YEAR INSTRUCTIONAL COORDINATOR-COLLEGE OF MEDICINE, Hershey — Responsible to the Educational Coordinator of the Physician's Assistant Program in the Department of Family and Community Medicine for assistance in coordinating and implementing the first year education program. Graduate of an approved primary care physician's assistant program with certification by the National Commission on Certification of Physician's Assistants or equivalent, plus one to two years of directly related experience. Prior teaching experience would be preferred.

News in brief

(Continued from page 1)

Urban Folklore from the Paperwork Empire.

The lectures are sponsored by the English Department and the Liberal Arts Folklore Option.

Zyglar show at Zoller

"Close Encounters of the Natural Kind," a collection of oil paintings by professor emerita Eleanor Zyglar, will be displayed March 24 through April 15 in the Zoller Gallery.

The paintings featured in the exhibit

How to file health insurance claims

Editor's note: The following information has been prepared by the Office of Personnel Administration to assist faculty and staff members in filing health insurance claims.

The green Equitable Group Medical/Surgical claim form should be used for all doctors' charges, x-ray or laboratory charges, and for submitting charges for reimbursement under major medical, such as drug charges, office visits, nursing charges, and certain medical equipment and supplies. The white Equitable Group Hospital Benefits claim form should be used in submitting all inpatient or out-patient hospital charges.

Faculty and staff members should answer questions 1-8 on the front of the particular claim form. When benefits are payable, payment is made directly to the employee unless he or she completes and signs the statement on the back of the claim form requesting payment be made directly to the hospital or the doctor.

In order to receive benefits, it is

important that individuals submit properly completed claim forms along with appropriate original bills or receipts. The insurance company will not accept canceled checks, cash register receipts or copies of bills.

All forms used in reporting medical expenses covered by the University's group health insurance plan for individuals at the University Park Campus may be obtained from Personnel Representatives or the Employee Benefits Division. Milton S. Hershey Medical Center employees should secure forms from the Financial Management Department. Individuals at other locations may obtain necessary forms from their Business Offices.

Any questions concerning the completion of forms or what changes are covered expenses may be referred to Personnel Representatives, the Business Office or the Employee Benefits Division, Room 133 Willard Building, University Park, 865-1473.

Scanlon

(Continued from page 1)

declines and their implications for financial solvency.

He said it did not relate preparation programs to job placement of graduates or plan for the total spectrum of post-secondary education. It also failed to address adequately future directions for graduate and professional education.

He found program articulation between basic and post-secondary education lacking. Further, he said the plan did not include all of post-secondary education and did not assess the impact of changing lifestyles on post-secondary education.

Dr. Scanlon said he was eager to gather information from the higher education community. The Friday meeting was one of a series of seven scheduled for that purpose.

He advocated soliciting planning advice from major institutional planners, saying, "I'm impressed with Penn State's approach for planning for the '80s."

He said he favors developing a cost analysis for each of the plan's recommendations, and called for interim planning on funding recommendations and development of formulae for distribution of dollars among State, State-related and community college sectors of higher education.

He emphasized the need for putting a stronger rationale in funding requests to the legislature than "last year's funds plus 8 percent."

There is a greater need, he said, to identify the issues and policies necessary for funding State-aided institutions. He advocated the development of theoretical constructs for higher education in the State and for establishment of criteria for evaluating the constructs.

Possible constructs he mentioned included economic, occupational and demographic trends; costs; productivity; student learning abilities; interaction techniques and technologies; governance; accessibility of higher education;

enrollment capacity; unique programs; and the availability of resources.

He closed by saying it was really the reactions of the representatives of higher education that interested him.

"I'll be listening carefully to your advice and recommendations," he said.

Following Dr. Scanlon's speech, a panel discussion on reactions and implications was held. James Ream, executive director of the Pennsylvania Association of Colleges and Universities, chaired the panel.

Members included Dean James Bartoo of the Graduate School at the University; Robert Flanagan, president of DuBois Business College; Dr. James McCormick, president of Bloomsburg State College; Arthur Sinkler, chairman of the 1202 Commission; Dr. James Steffy, vice-president of Susquehanna University; and Dr. Edmond Watters, dean of Williamsport Area Community College.

During the afternoon, Dr. Francis Hamblin, president of Lock Haven State College, chaired a panel entitled "The Media Looks at the State Master Plan for Higher Education."

Participating were Pete Barnes, editor of the Daily Collegian; Paul Bees, associate editor of the Harrisburg Patriot-News; Joan Kurilla, staff writer of the Centre Daily Times; and Warren Maurer, general manager of KYW news radio in Philadelphia.

A panel on other aspects of the plan needing attention featured Dr. Donald Darnott, interim president of Mansfield State College; Dr. Frederick Blumer, president of Lycoming College; Provost Edward D. Eddy of the University; Dr. Dennis O'Brien, president of Bucknell University; Dr. Michael Pincus, dean of arts and sciences at Mansfield State College; and Dr. John Zaharis, vice-president of Lock Haven State College.

Closing remarks were delivered by Dr. Stanley O. Ikenberry, senior vice-president for administration at the University.

Chamber group to play

The chamber orchestra of the Chigwell School from Essex, England, will present a concert at 8:30 p.m. Thursday, March 29, in Schwab Auditorium.

The Chigwell School, which was the alma mater of William Penn, is celebrating its 350th anniversary this year.

Twelve boys between the ages of 10 and 29 comprise the chamber orchestra. Tickets for the performance, which are \$2 for non-students and \$1 for students, may be reserved prior to the performance by calling the University Chorus office at 865-6540. The performance is sponsored by the Chorus.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1397 (network line 475-1397). Applications for these staff vacancies will be accepted until 3 p.m., Mar. 29, 1979. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, sex (as provided by law), sex, or status as a disabled or Vietnam era veteran.

DIRECTOR OF EDUCATIONAL RELATIONS AND ASSISTANT TO THE SENIOR VICE PRESIDENT FOR ADMINISTRATION-SENIOR VICE PRESIDENT FOR ADMINISTRATION, University Park — Act for the Senior Vice President for Administration to coordinate the University's participation in the activities of the eight Regional Coordinating Councils in the Commonwealth. Serve as the University's representative to Region IV Council. Maintain liaison with the staff of the Pennsylvania Department of Education, the Pennsylvania State Board of Education, higher education institutions throughout the Commonwealth, and the Pennsylvania Association of Colleges and Universities. Provide general staff support to the Senior Vice President for Administration. Doctoral degree or equivalent essential. Knowledge of issues and problems faced in the field of higher education, plus at least two years of directly related experience in higher education required.

DIRECTOR OF CAMPUS RELATIONS, Capital Campus — Responsible to the Provost-Chief for organizing and conducting a comprehensive University relations program for the entire campus to include development programs, public information and alumni affairs. Bachelor's degree or equivalent, plus a minimum of over four and up to and including seven years of directly related experience involving development, fund raising and newspaper and/or

New dean and director named

The appointments of a new dean of admissions and the director of the Ogontz Campus were approved by the University's Board of Trustees at its March 23-24 meeting at the Hershey Medical Center.

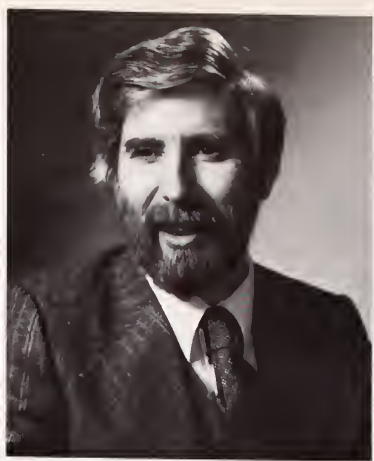
Donald G. Dickason, dean of admissions and financial aid at Cornell University, was appointed to the newly created position of dean of admissions. The Board had authorized the University to integrate present recruitment and admissions functions and programs into a single Office of Admissions reporting to Provost Edward D. Eddy.

Dr. Robert A. Bernoff, professor of science and general chemistry at Ogontz, has been appointed director of that Campus.

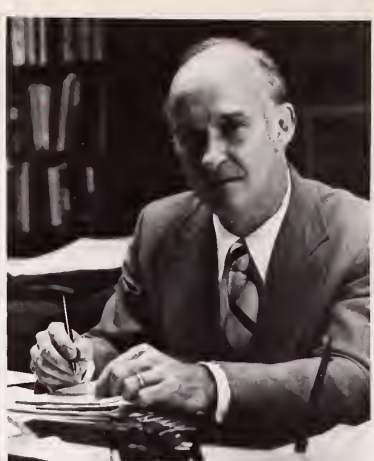
Mr. Dickason, whose appointment will become effective May 31, will have overall responsibility for admissions and recruitment programs that relate to all Penn State campuses.

In presenting to the Trustees Mr.

(Continued on page 4)



Dr. Bernoff



Dean Dickason

March 29, 1979 Volume 8, Number 27

Penn State Intercom

From the Trustee Docket

Possible administrative merger contemplated

Consideration is being given the possible merger of administrative responsibility for Continuing Education and the Commonwealth Campus System at Penn State.

President Oswald said he may be in a position to return to the May meeting of the Trustees to recommend formal action.

Dr. Oswald said he had received comments from several groups that some form of closer integration be considered. The Steering Committee for the Plan for the 1980s had recommended consideration of such an administrative change.

Dr. Oswald said a need for a closer relationship between Continuing Education and the Commonwealth Campus System was noted in preliminary reports written by members of Task Forces working on the Plan for the '80s. The issue has also been discussed by the Faculty Advisory Committee and other governance groups, he said.

"Twin purposes would be to increase academic program flexibility and vitality and to reduce overhead costs," Dr. Oswald observed.

"During the next several months, the Steering Committee and several task forces of the Plan for the '80s, and other campus groups, will continue to consider the many issues involved in the proposed merger," he said.

Dr. Oswald added that such a move would not reduce in any way the commitment to Continuing Education, nor would it lessen the Commonwealth Campuses' responsibility for scholarly activity.

Earlier this year, Floyd B. Fischer, vice president for Continuing Education, announced his intention to retire, effective this summer. At that time, Dr. Oswald reported to the Trustees that prior to initiating a search for Mr. Fischer's replacement, a study should be made of the organization needed for the most effective program delivery during the years ahead.

Continuing Ed to utilize reopened Faculty Building

The Faculty Club building will reopen as the Faculty Building and will be used principally as a Continuing Education facility for conferences and workshops.

The Trustees received a report from Dr. Stanley O. Ikenberry, senior vice president for administration, who told them that the facility can supplement the facilities of the Keller Conference Center for seminars, conferences and other events with minimal preparation. "It was decided that the optimum use of the Faculty Club building would be to advance the Continuing Education Conference Program," Dr. Ikenberry said.

The facility will continue to be available to faculty groups, including members of the Faculty Club and faculty groups sponsoring special events.

Dr. Ikenberry noted that approval for use of the building extends through July 31, 1981. A reassessment of the use will be made in September 1980.

It is expected that the building will be ready for use in the next six weeks.

A conference coordinator and secretarial help will be headquartered in existing office space in the building.

Governor voices regard for the University

Speaking before the Trustees in Hershey last Saturday, Gov. Richard L. Thornburgh voiced his high regard for the University and expressed the willingness of his administration to continue working with Penn State, but he indicated the era of financial belt-tightening is far from over.

"The contributions of Penn State to this Commonwealth are not capable of being expressed in dollars and cents, and I know that as well as you do," he said. "Penn State is important to Pennsylvania — it's important to me — and I assure you of our desire to work with you during the next four years to try to solve your difficult

(Continued on page 3)

Reports on student evaluations and ombudsmen on Senate agenda

A report on student evaluations of instruction is scheduled as one of four legislative reports on the University Faculty Senate docket at the April 3 meeting. The meeting will begin at 2:10 p.m. in Room 101 Kern Building.

Other legislative items include proposed amendments to the Senate *Bylaws* and *Standing Rules* and a proposal on grade-point requirements in majors.

There are also five informational reports — on the Ombudsman Program, 800-level courses, Lindback Teaching and other award nominations, the University Course Master File, and faculty organizations at various University locations.

The Subcommittee on Student Evaluations has prepared a series of recommendations reaffirming the value of student evaluations and the importance of faculty input in their creation. The report asks that in cases where such evaluations are important factors in promotion and tenure decisions, instructors be given the opportunity to rebut results which they feel are "inconsistent, invalid or misleading."

"... In tenure and/or promotion decisions," the report says, "the data can make an appropriate contribution to a committee's or administrator's judgment only after critical analysis."

The amendment to the *Bylaws* asks that the words "regularly scheduled Senate meetings" be substituted for "four consecutive meetings" in defining the number of meetings a Senator can miss. The Senate had monthly meetings at the time the bylaw was drawn up.

The amendment to the *Standing Rules* is designed to avoid potential "conflicts of interest" for persons serving on the various Senate committees concerned with promotion and tenure and the University Promotion and Tenure Review Committee.

The Senate Committee on Undergraduate Instruction is proposing that students earn a grade-point average of 2.00 not only to graduate but also in their

major. Institution of this requirement would be up to a program faculty.

According to the Subcommittee on Rights and Responsibilities, which prepared the informational report on the 1977-78 Ombudsman Program, the number of complaints made to ombudsmen was down again sharply this year — 43 as opposed to 61 in 1976-77 and some 100 in earlier surveys. Of the 29 units responding to the survey, 14 noted no complaints. Liberal Arts with 10 and Agriculture with 6 generated the most cases.

The report also notes that, "Slightly more than one-half of the complaints dealt with promotion (6 cases) and tenure (14 cases), specifically, and related matters (3 cases). Five cases lay in the area of work load and leaves, 8 cases dealt with policy decision-making at the various levels, and 7 cases included such issues as attitudes of colleagues, job description, benefits and laboratory safety."

During 1976-77, 30 percent of the complaints had to do with grievances among faculty members, but this year 38 involved issues between faculty and administrators. Only four cases were expected to go to the University Faculty Rights and Responsibilities Committee.

The Senate will hear an informational report from its Committee on Curricular Affairs, which surveyed 800-level courses to determine whether they could be changed to 000-level courses and be used for non-major credit. The committee found that a majority of the 800-level designations were appropriate.

Because too few nominations are being received for the Lindback and other University awards, the Subcommittee on Rights and Responsibilities reports that an attempt will be made to broaden the nomination procedure and give more publicity to it.

A progress report on the University Course Master File, which provides course information data, will be presented by the

(Continued on page 6)



Penn Staters

A National Science Foundation International Travel Award was granted to Dr. Daniel B. Litvin, assistant professor of physics at the Berks Campus, to report on his research March 25 at the Eighth International Colloquium of Physicists in Kiryat Anavim, Israel. Dr. Litvin discussed "Wreath Products and the Symmetry of Incommensurate Crystals."

Dr. Alfred Traverse, professor of palynology at the University, recently served as an invited lecturer in the biology department of the University of Pennsylvania. He spoke on "Neogene Climates of the Black Sea Region per Palynology." Dr. Traverse is currently serving as president of the International Commission for Palynology, a federation of 20 national and international palynological societies.

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, presented a recent colloquium sponsored by the Department of Chemistry at the Massachusetts Institute of Technology. He discussed research conducted in collaboration with Dr. James J. Reuther, assistant professor of fuel science, on the emission of light in gaseous oxidation reactions involving metal vapors.

Dr. Sigmund S. Birkenmayer, professor of Slavic languages, will serve as a consultant to the project for the development of the Proficiency Tests in Polish Language and Culture. The tests will be used nationwide for teacher certification.

Dr. Harold Schraer, professor of cell biology, has been elected chairman of the Gordon Research Conference on the "Chemistry, Physiology and Structure of Bones and Teeth" to be held this summer at Kimball Union Academy, Meriden, N.H. The Gordon Research Conferences are held to stimulate research in universities, research foundations and industrial laboratories.

Dr. Eugene E. White, professor of speech communication, recently presented two lectures to the students and faculty of the North Carolina State University Department of Speech Communication. The subject of his talks was "New Perspectives in Rhetorical Criticism" and "Rhetoric as Historical Configuration." Dr. White also served as a consultant on curriculum planning.

Robert Trehy, a professor of music, appeared in concert with the Pittsburgh Symphony on March 2, 4 and 5, performing works by Rodgers and Hart and Rodgers and Hammerstein in Heinz Hall. He also sang the title role in Mendelssohn's *Elijah*, which was presented March 17 and 18 by the Susquehanna Choral Society and Orchestra.

Football coach Joe Paterno will be the commencement speaker at Gettysburg College on June 3.

Penn State/Wilkes Barre Scholarly Activity Grants were recently awarded to six faculty members:

Linda O. Baltimore, assistant professor of psychology, for research on hyperactivity in children as it relates to stomach problems; Dr. Shirley Marchalonis, assistant professor of English, to support research relating to the Middle Ages at Harvard University; Dr. Joseph N. Fady, assistant professor of mathematics, to investigate the module structure of an endomorphism ring; Dr. Donald B. Dahlberg, assistant professor of chemistry, to continue research on the compound C₆H₅CH=CH₂CH₂NMe₂; Dr. William M.

Reynolds, assistant professor of biology, basic research on thermoregulation in aquatic ectotherms; and Dr. Thomas Winter, assistant professor of physics, for research into the process in which a bare helium nucleus collides with a hydrogen atom.

Kenneth R. Beittel, professor of art education, had a one-artist show of 90 pieces of stoneware and porcelain pottery at the Marshall University Art Gallery, Huntington, W.Va., March 1-22.

Dr. Joseph Jordan, professor of chemistry, will co-chair, with Professor Mitsugu Senda of Kyoto University (Japan), a special, entirely invited symposium on "New Developments in Voltammetry and Coulometry" at the Japanese-American Chemical Congress in Honolulu, April 1-7. Eighteen speakers from the U.S., Canada, Japan, and Australia have been invited to participate. Dr. Jordan's contribution to the symposium, "State of the Art of Voltammetry at Glassy Carbon Indicator Electrodes," is co-authored with David Dube of GTE Sylvania, a former doctoral candidate, and Professor Maurice Gross of the University of Strasbourg (France), with whom Dr. Jordan has shared a NATO grant.

One of eleven invited speakers from Europe and North America, Dr. Jordan will also participate in the "State of the Art of Thermal Analysis" workshop at the National Bureau of Standards, May 21-22. Speaking on "Enthalpic Metrics," Dr. Jordan will assess its capabilities and limitations with a focus on contemporary national needs, ranging from clinical chemistry to monitoring contaminants in the new coal conversion technologies.

Dr. Rustum Roy, director of the University's Materials Research Laboratory, has been invited to be the opening plenary speaker at three international symposia. In all cases he will discuss recent advances in non-metallic materials research and their impact on national research policies. On March 12-13, Dr. Roy spoke at a Symposium on R&D needs of the Canadian Ceramic and Glass Industries in Toronto, Ontario. From April 2-6, he will be the guest of the Royal Swedish Academy of Engineering Sciences, visiting materials research centers in Sweden, and on April 3, will open the Symposium on Ceramic Materials. On April 9, he will give the opening talk on "Highlights of Modern Materials Research—Some Aspects of Phase Diagrams" in the Symposium on New Crystallographic Perspectives in Materials Science at Erie, Sicily.

Bookshelf

Dr. Allan Rodgers, professor of geography, is the author of a book, *Economic Development in Retrospect: The Italian Model and Its Significance for Regional Planning in Market-oriented Economies*, published recently by Scripta/Wiley, Washington, D.C. and New York, N.Y.

Designed for an audience of geographers, regional economists and planners, the book represents a spatial view of economic development experience in southern Italy within the broad framework of regional growth theory.

Three decades of development practice are examined, using data derived from interviews with plant managers and government officials, as well as published and unpublished government statistics. Southern Italy, the "Mezzogiorno," Dr. Rodgers explains, has long been viewed as a classic example of subnational underdevelopment, and his study is particularly concerned with the area's evolving geographical pattern of industrialization under government planning and subsidization. The southern Italian experience is then compared and contrasted with regional development practice in other market-oriented economies and Western Europe and Anglo-America.

Dr. Rodgers has published extensively on regional development problems in Italy and the Soviet Union. This book is a product of more than three years of research in Italy that was supported by the Italian Fulbright Commission, the Guggenheim Foundation, the Cassa per il Mezzogiorno, the National Science Foundation, and the University. Dr. Rodgers is currently a member of the Seminar on Modern Italy of Columbia University and the Commission on Industrial Systems of the International Geographical Union. He was recently chosen as an honorary fellow of the Italian Geographical Society.

Dr. Paul S. Greenlaw, professor of management, recently had two new books in the field of personnel management published by the William B. Saunders Company.

The first, *Modern Personnel Management*, co-authored with Dr. William Biggs of Alfred University, is designed for use as a text in both undergraduate and graduate personnel courses. It focuses attention on four basic aspects of personnel or human resource management—the acquisition, development, rewarding and maintenance of human resources.

The book rejects the idea that personnel simply involves "getting along with people." Rather, personnel management is viewed as a complex decision-making process in which both economic and legal considerations, as well as behavioral ones, have become increasingly important in the 1970s. The book places more stress on the use of quantitative and "management science" concepts in personnel management than previous texts in the field.

Readings in *Personnel Management* by Dr. Greenlaw was especially designed to serve as a supplement to *Modern Personnel Management*. Unlike many edited readings books, it does not contain collections from "classical" articles or books. Rather, it almost exclusively includes articles from leading journals published within the last two or three years, addressing contemporary problems, many of them legally oriented such as regarding "affirmative action."

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, is the senior author, with Dr. Stanley Cramer of the State University of New York at Buffalo, of *Career Guidance through the Life Span: Systematic Approaches*. The 420-page book published by Little, Brown and Company is Dr. Herr's 12th book. Its contents include a historical overview of the evolution of career guidance; contemporary psychological, social and economic factors in the United States affecting the sociopolitical implications of career guidance; perspectives on systematic planning and implementation of career guidance in the common schools, higher education, and with adult populations; analysis of research; and social issues related to career guidance.

Dr. Carol A. Cartwright, associate professor of education, is one of four co-authors of a book entitled *Careers with Young Children: Making Your Decision*.

The 90-page text provides a step-by-step approach to choosing a career compatible with the reader's ambitions, capabilities and interests in young children. It's designed for the adult considering changing careers or the student surveying career possibilities. Five distinct career patterns are discussed, each designed to show the degree of involvement one would have with young children while working in their behalf.

The book was published by the National Association for the Education of Young Children, Washington, D.C.

Retirements



Floyd A. Hummel, professor and former head of ceramic science, is retiring from the University April 1 with the rank of professor emeritus.

A member of the faculty since 1945, Prof. Hummel served as both an acting head and head of his department in 1953-55, 1961, and 1967-69.

Mr. Hummel's research interests were in phase equilibria, crystal chemistry and the relation of composition and construction of materials to their chemical, thermal and optical properties. He is one of only five scholars who have contributed well over 100 equilibrium diagrams to the 1964, 1969 and 1975 collection of Phase Diagrams for Ceramics.

During his tenure as a department head, Prof. Hummel helped establish two general funds for students, the Roy G. Ehnman Loan Fund and the Sam Zerliss Scholarship Fund. He also instituted the Nelson Taylor Fund, named after the former head of the Ceramic Science Department. The fund is used primarily to bring distinguished speakers to the Penn State campus.

Mr. Hummel earned his B.S. at the University of Illinois and his M.S. at Penn State. He has received numerous awards, including two from the American Ceramic Society for his contributions to research.

He was a charter member of the Basic Science Division of the American Ceramic Society and served as its chairman in 1962 and as trustee of the division from 1960-69. He is a past president of the Ceramic Educational Council and a Fellow of the American Ceramic Society and the American Micrological Society.

Obituaries

Dr. Elmer W. Hartsook, professor of animal nutrition, died March 24. He was 61. Dr. Hartsook's area of expertise included protein nutrition, protein and amino acid metabolism, protein biosynthesis, and animal energy metabolism. He had been a member of the Penn State faculty for 25 years. A graduate of West Virginia University, he held M.S. and Ph.D. degrees from the University of Illinois.

Carl R. Moss, a former member of the industrial engineering faculty, died March 16 at the age of 72. An associate professor when he retired on Sept. 1, 1973, Mr. Moss joined the faculty in 1955. He was a B.S. graduate of Michigan College of Mining and Technology and earned his M.B.A. at Harvard University's School of Business Administration.

Marguerite L. Duvall, a family life and child development specialist with the Cooperative Extension Service until her retirement on Jan. 1, 1968, died March 19. Mrs. Duvall joined the Penn State staff in 1942. She held a B.S. from Oklahoma State University and an M.S. from the State University of Iowa.

Trustee docket

(Continued from page 1)

problems and move this institution to even greater heights."

Noting that the budget his administration submitted to the General Assembly held general fund spending to 5.8 percent, he said that increasing inflationary pressures will mandate the need for further budgetary reductions.

"I guess what I'm saying is that if you think you have accomplished the maximum degree of belt tightening in this great university, we'll be glad to help you try even further."

An ex-officio member of the Board of Trustees, Gov. Thornburgh said it was essential "that we, this year, not only observe the rough range of funding we've earned at, but that we have a budget prepared on time; that we begin the next fiscal year on July 1, 1979."

"Otherwise," he added, "our standing in the financial community and our standing generally will continue to suffer." He told President Oswald that he had heard their mutual discussions regarding higher education in Pennsylvania to be extremely productive. "I assure you they will continue," he said, "not only with you, but with your board and with your administration to work together to try to deal with what you have properly styled a problem of erosion in funding in higher education."

"We have a marvelous pluralistic system of higher education in this State," the Governor continued, "and each and every portion of that system must be preserved."

"We are hoping . . . to effect some major changes on the State colleges and university by the creation of a system statewide, under something closely akin to the Keystone University bill, so that a portion of our system can be brought under a little tighter control. I suggest that probably will be of benefit to the system as a whole."

The first governor to visit a Trustee meeting in 10 years, Mr. Thornburgh noted that his administration has a special relationship with Penn State.

"We raised you for a first-rate secretary of the Department of Transportation in Dr. Tom Larson. We raised your board for a first-rate secretary of agriculture in Penrose Hallowell, and utilized in the transition period much of the brainpower of your faculty and administration in helping us get over that rough period."

Poultry Science Ph.D. discontinued

The program leading to the doctor of philosophy degree in poultry science is being discontinued.

"This is in no way decreases the University's emphasis on developing sound scholars needed by the poultry industry," said Provost Edward D. Eddy. "It is a recognition that the field is well served by emphasis on specific disciplines other than the field of poultry science." There have been no Ph.D. degrees granted in poultry science at the University in the past seven years.

The activities of the graduate faculty in poultry science in recent years have been directed toward producing advanced degree graduates with expertise in fields bearing on poultry, such as physiology, genetics, food science, animal nutrition and ecology.

"All these disciplines have application to poultry research," Dr. Eddy said. "We believe that when working at the doctoral level, a student should concentrate on a specific discipline in which a high degree of specialization is required by the modern poultry industry."

In practice, doctoral candidates with an interest in poultry research have been concentrating on specific disciplines. The master of science program in poultry science will continue, Trustees were told.

"This will permit students to pursue graduate work in poultry studies, especially in the area of poultry management," Dr. Eddy explained.



Mr. Haffner

Haffner to become University registrar

Warren Haffner, director of the Division of Admissions, Records and Scheduling, has been named registrar of the University, effective July 1.

Mr. Haffner will have expanded duties in his new position, members of the University Board of Trustees were told by Provost Edward D. Eddy.

"The registrar's office has responsibility for academic record keeping and curriculum monitoring as well as for overseeing registration, enrollment and commencement for more than 50,000 Penn State students," Dr. Eddy said.

"In addition, the position involves specialized duties, including coordination of course and class scheduling information from each of the University's 10 colleges of enrollment and 22 campus locations."

A member of the University staff since 1957, Mr. Haffner was named associate director of admissions and associate registrar in 1966. He became director of the Division of Admissions, Records and Scheduling in 1971. He is a Penn State graduate in commerce, class of 1954.

New undergraduate options to be added to curriculum

Several new undergraduate programs and options will be added to the University's curriculum; however, no additional University funds will be required to establish them.

A five-year program leading to the bachelor of architecture degree has been reinstated by the College of Arts and Architecture.

"Over the past decade, there have been several shifts in the field of architectural education," Provost Edward D. Eddy explained. "The reinstatement of the five-year program is necessary to maintain flexibility in the Department of Architecture."

The five-year program, offered at Penn State prior to 1972, leads to the first professional degree available to students enrolled in the Department of Architecture. In addition, the department offers a four-year program leading to a B.S. in architecture and a two-year program for students with a B.S. in architecture that leads to an M. Arch.

At Behrend College, a major in communications will be established for students intending to become communications professionals. The major emphasizes professional writing and speech communication skills, Dr. Eddy said. It will culminate either in an intensive senior project or in an internship at a local communications office under supervision of a faculty member.

Two options have been added to the business administration major at Capitol Campus. Options in economics and computer applications have expanded the curriculum, which already included options in business administration, accounting, finance, health care management and marketing.

The economics option is designed for students interested in financing of public institutions, pricing, and economic methodology. The computer applications option is for students interested in careers in data processing.

A new major in world literature will be offered by the College of the Liberal Arts. It is designed to provide an international study of literature without the necessity of foreign language expertise.

Dr. Eddy said the program is an attempt to respond to student needs and interests in the area. He said the current major in comparative literature cannot meet certain needs due to the foreign language requirement.

The College of the Liberal Arts will also re-designate an existing major in classics, Dr. Eddy added.

"The name change to classical studies reflects a change in course requirements which alters the emphasis for the options," he explained.

New options will be provided in language and classical studies. The four former options were in literature, history, art history and philosophy. The former options required the study of Latin and Greek prior to enrolling in the major.

The classical studies option will allow majors to pursue study in Greek and Roman culture without the necessity of language expertise, said Dr. Eddy. The students in the language option may combine their concentration with any of the four traditional areas of study represented by the former options.

The Department of English will offer an option in technical writing, Dr. Eddy said. The 15-credit, non-major option leads to a technical writing certificate and will be open to all University students regardless of major or college.

Room and board charges to be increased

The Trustees approved an increase in room and board charges for University students effective in September 1979.

President Oswald told the Board he was pleased that Penn State was able to hold the recommended increase to around 4 percent, considerably below the general inflation rate.

In approving the increase, it was noted that residence hall operations at the University must be self-supporting. No tuition or State funds support dormitory or food services at Penn State.

The increase was essential, Trustees were told, to enable the University to meet rising costs for labor, supplies and food.

The action changes the price of a double room from \$522 to \$555 per term, an increase of \$33. The rate for an academic year of three terms will be \$1,665. Single room rates will change from \$562 to \$600 per term.

Included in the new rates will be a \$5 charge for a small refrigerator that will be installed in the room. Previously, refrigerators were available for rent and a separate fee of more than \$10 per term was charged. Since 80 percent of the students previously took advantage of this option, the University will install the refrigerators in all rooms and eliminate the cost of installation and removal each year. That will make it possible to lower the fee to \$5 per term.

The \$33 increase represents an increase of \$10 per term for room rental, \$16 for board, \$2 in the counseling fee that is a part of overall residence hall costs, and the \$5 fee for the refrigerator.

The double-room rate for graduate students increases from \$527 to \$555 for room and board, and the single-room rate will be \$600. Rooms for graduate students who do not use campus dining halls will increase from \$242 to \$254 for double rooms and from \$282 to \$294 for single rooms. The room and board rates for graduate students electing to use food coupons will be \$374 for a single room and \$334 for a double room per term.

Rates for Atherton Hall apartments for graduate students at University Park have been increased by \$26 per term for singles

and \$35 for doubles, bringing rental rates to \$357, \$387 or \$516 per term, depending on the type of facility. Other apartments at University Park, including Eastview Terrace and Graduate Circle, and apartments at Capitol Campus, Middletown, have increased at varying rates.

Creation of four award funds announced

Four new award funds have been created at the University. They are:

— A \$1,500 George W. Brindley Award Fund honoring a professor emeritus of mineral sciences and former Department of Ceramic Technology chairman. An annual award will be presented to the top academic student in CerSe 400 (non-metallic crystal chemistry).

— A \$1,500 Charles Wyndham Flanagan Memorial Award in memory of a 1938 Penn State graduate, created by his wife, Kathleen, who earned her B.A. and M.A. degrees in education at the University in 1938 and 1939. Public service majors in Liberal Arts, who have demonstrated outstanding academic achievement for at least three terms, will be considered for the award.

— A Francis C. Frary Award Fund, with an initial principal of \$3,151, established at the New Kensington Campus by the Francis C. Frary Educational Fund, a philanthropic enterprise of Alcoa. The fund honors the originator of Alcoa's New Kensington research laboratories and will be awarded to full-time sophomore chemistry majors exhibiting outstanding academic achievement or showing promise of such achievement.

— An Honorable Eugene M. Fulmer Memorial Loan Fund of \$5,000, honoring a former General Assembly representative who also worked for the University as a specialist in community adult education. Mr. Fulmer graduated from Penn State in 1948 with a B.S. in ag economics. Established by Mrs. Mary Jane Jimeson, a former Penn State student now employed at University Park, because of Mr. Fulmer's interest in young people, the fund will assist medical students needing additional money for educational expenses at The Milton S. Hershey Medical Center.

Construction projects advance

Three University construction projects have advanced through action of the Trustees — the expansion and modernization of Beaver Stadium, the physical education-conconvocation building at the Berks Campus, and improvements to the Garfield Thomas Water Tunnel.

The Trustees approved completion of Beaver Stadium, a project started more than two years ago.

The final phase involves the installation of 6,300 seats in the south end zone and the addition of public rest rooms. A modern passenger elevator to assist handicapped persons and provide access to the pressbox area will be installed, along with expanded press facilities.

The Trustee action was taken in response to increased public and student demand for tickets to the University's home football games. All games at Beaver Stadium, which has a seating capacity of 76,639, were sold out in the 1978 season, and the public demand for tickets increases each year.

"Experience has shown during the last two years that we are able now to proceed on a prudent financial basis to complete the additions to Beaver Stadium," President Oswald said.

No tuition, State or federal funds can or will be used to finance the project.

The project will be financed exclusively from earnings generated by ticket sales, concession sales and radio and television receipts," Dr. Oswald added.

Construction is expected to start after the 1979 football season and be completed in August 1980.

The Trustees also authorized the expenditure of \$1,201,000 contributed by

(Continued on page 4)

(Continued from page 3)

alumni and friends of Penn State for the construction of a new physical education-construction building at the Berks Campus.

Earlier this year, the Board had authorized expenditure of \$1 million for the building, but when construction bids were received, low bids exceeded the original estimate, according to Dr. Harold W. Perkins, Berks Campus director.

Dr. Perkins said a portion of the additional funds will be obtained through short-term investment of early gifts and accelerated pledge payments to the Partners in Progress campaign, which raised the funds for the project.

The firm of H₂L was designated to design additions and improvements to the Garfield Thomas Water Tunnel.

The U.S. Navy, which will fund the project, has authorized the University to proceed through design and final estimation stages of work that will improve use of the existing facility and enhance its research potential.

Alumni broaden efforts to recruit students

Efforts to recruit outstanding students, counsel current students, and provide placement services for alumni highlighted activities of the Alumni Association in 1978.

Reporting to the Board, Edward R. Book, of Hershey, Association president, said that during the year a pilot program to identify and recruit outstanding students was broadened.

"As the competition for outstanding high school scholars grows," Mr. Book said, "Alumni Association members have begun working with the University's Office of Secondary School Relations to recruit students for Penn State."

"Alumni in a number of clubs also help counsel current University students at Career Days and in other one-to-one advising programs. The Alumni Talent Book, established last year through the University's Career Development and Placement Center, provides a listing of alumni who have volunteered to confer with students about careers or specific job opportunities."

In response to a demand from alumni, Mr. Book reported, an alumni placement service was established. During its first six months of operation, some 600 alumni registered with the service; approximately 500 employers listed vacancies, and more than 2,000 resumes were forwarded.

Mr. Book reported that Alumni Association membership increased during the past year by more than 3,400 to a total of almost 45,000. Noting an anticipated cutback in University funding, he said the Alumni Council has called for an even more intensive membership campaign this year because the Association will have to rely more heavily upon membership dues for its operation in the future.

Five named to Penn State Fund Council

The Board of Trustees has appointed five new members to the Penn State Fund Council, an advisory body concerned with private fund-raising for the University.

They are: Mrs. Herman G. Fisher, East Aurora, N.Y.; Philip M. Greenberg, Miami Beach, Fla.; Philip H. Sieg, Bellefonte, John B. Swayne Jr., Buck Hill Falls, and William K. Ulerich, Clearfield. "We are honored that these five active supporters of Penn State have consented to serve the University in this important capacity," President Oswald said. "We know their leadership will do much to help to increase private support for Penn State."

The Penn State Fund Council, established in 1974, advises the Board of Trustees and the president on all matters involving private fund-raising. It identifies and supports special projects most needed by the University and most appropriate for

support through private resources.

The Fund Council has been instrumental in the University's successful efforts to increase the level of private support for Penn State. Private contributions are used for enrichment of programs and projects not supported by State funds.

Mrs. Fisher is the widow of the late Herman G. Fisher, co-founder and board chairman of Fisher-Price Toys and a Distinguished Alumnus (Class of '21) of Penn State. The Fisher Plaza at the University was made possible by the support of Mr. and Mrs. Fisher.

Mr. Greenberg (Class of '54) served as president of the Energy Development Corporation of New Castle, a family business involving coal properties and other investments. As a Penn State undergraduate, Mr. Greenberg was the first president of the Student Government in the College of Business Administration.

Mr. Sieg (Class of '57) is president of Federated Home and Mortgage Co., State College, and is a member of the board of Mid-State Bank and Trust Co. Mr. and Mrs. Sieg have been active in various University activities, including the Friends of the Museum of Art.

Mr. Swayne (Class of '34) is the retired president of J.B. Swayne & Son, Inc., mushroom growers. His family's brand of mushrooms, called "Quaker State," was distributed nationwide. Mr. Swayne divides his time between Pennsylvania and Florida.

Mr. Ulerich (Class of '31) is publisher, chairman of the board and chief officer of The Clearfield Progress, and The Danville News, as well as four community AM radio stations and four FM stations. He is past president of the Board of Trustees and in this capacity served previously as an ex-officio member of the Fund Council.

Community Advisory Board to be named for WPSX

The creation of a Community Advisory Board for WPSX-TV was approved by the Board of Trustees, to whom the public television station is licensed.

"Such a Board deepens our commitment to ascertaining the needs of people in the station's viewing area," Provost Edward D. Eddy said.

The advisory board will review the station's programming goals, services provided, and significant policy decisions. It will also advise the Trustees and make recommendations on meeting specialized educational and cultural needs in communities served by WPSX-TV.

The board will include 12 persons selected from a variety of interests and organizations in the 22 counties served by the station. It will meet at least twice each year. Members will serve one-year terms without compensation.

The board will be appointed in May, Dr. Eddy said. Floyd B. Fischer, vice-president for Continuing Education, will serve as chairman. David Phillips, director of broadcasting, will serve as secretary.

Dr. Eddy noted that WPSX-TV has long been active in keeping in touch with local needs through several methods, including personal and television interviews with representative community leaders in the 22 counties.

In addition, the station is involved with organizations such as the Allegheny Educational Broadcast Council, a member organization of public schools, which strives to ascertain community educational needs that can be served through television.

Board members may be selected from various interests including civic, neighborhood, fraternal and cultural organizations; agriculture; business; charities; consumer services; education; environmental groups; government; and labor.

Others eligible for consideration include persons connected with minority and ethnic groups; religion; organizations for the elderly, women, youth and students;

professions; the military; public safety; health and welfare; recreation; and other significant community organizations.

A member of the Board of Trustees will serve as an ad hoc member of the advisory board.

The appointment of the Community Advisory Board is in line with guidelines provided by the federal Public Telecommunications Financing Act of 1978, explained Dr. Eddy.

Engineering names center for Bayard D. Kunkle

The Engineering Activities Center has been named the Bayard D. Kunkle Activities Center in honor of one of the University's most distinguished alumni.

"It's indeed a pleasure to rename a facility for an alumnus who not only distinguished himself in the business world, but unselfishly shared his good fortune with so many young people," Dr. Stanley O. Ikenberry, senior vice president for administration, told the Trustees. The Board approved the name change.

Bayard D. Kunkle, a 1907 graduate of Penn State, was president and general manager of Delco Products Corp. and vice president and a director of General Motors.

In 1946, he established a fund to aid needy veterans at Penn State. Eventually, the gifts he and his wife, Ethel, provided for students evolved into the Bayard D. Kunkle Scholarship Fund, which helps support 260 students a year.

The center, a glass-enclosed area connecting Hammond and Sackett Buildings, was renovated last year with money raised by the Penn State Fund Council from alumni and private sources. It will be dedicated May 12.

Hershey rentals to rise

For the first time in more than three years, rental rates for the apartment facilities provided for medical students, nursing students and resident physicians at Hershey will be raised, effective July 1.

President Oswald noted that the average increase rate of 7.4 percent is considerably lower than the rate of inflation, since rates had not been raised since January 1974.

The increase, Dr. Oswald added, is consistent with federal guidelines set forth by the Council on Wage and Price Stability. The 248 apartments are in the University Manor Complex, the only University-owned housing at the Medical Center.

The increase will be in the \$20 to \$30 range for apartments in the complex, which include one-, two- and three-bedroom units. All apartments are furnished with wall-to-wall carpeting, air-conditioning, draperies and kitchen appliances. Some are equipped with washers and dryers. The rental rate includes all utilities except telephone and cable TV.

New dean, director

(Continued from page 1)

Dickason's appointment, President Oswald said:

"We are very pleased that Mr. Dickason, one of the country's leading admissions officers, has agreed to join Penn State."

"Penn State, along with other colleges and universities, is about to enter a new era of student recruitment, and Mr. Dickason is eminently qualified to provide the leadership necessary to meet the challenge."

A 1953 Phi Beta Kappa graduate at Cornell, Mr. Dickason has served at Cornell since 1963. He held the position of director of admissions relations before becoming assistant dean of engineering. In 1975 he was named dean of admissions and financial aid. He presently heads a staff of 60 people.

He is former president of the National Association of College Admissions Counselors and served from 1972-74 as a member of the Sloan Commission on Expanding Minority Opportunities in Engineering. He is past chairman of the Middle States Region of the College Entrance Board, and currently serves on the College Scholarship Service Council of the Board.

Mr. Dickason also has done extensive consulting work, and his articles have appeared in numerous professional journals.

A former U.S. Navy officer from 1953-56, he served aboard a destroyer as supply officer.

Dr. Bernoff has been serving as acting director of the Osgontz Campus. He succeeds Charles J. Smith, who retired.

"We are delighted to promote Dr. Bernoff to this position of leadership," President Oswald said. "He has given distinguished service to the University in both academic and administrative capacities for 17 years at the Osgontz Campus."

Dr. Bernoff joined the Penn State faculty in 1962. He received the Osgontz Campus Outstanding Teacher Award in 1977, and earlier, in 1965, the Campus Student Government Association recognized his constructive contributions to student life by presenting him with the Chief Osgontz Award.

Since 1977 Dr. Bernoff has served as coordinator of the Osgontz Campus Chemistry Department and has served on numerous University committees.

He is a graduate of Temple University, where he earned B.A., M.A. and Ph.D. degrees in chemistry. Prior to joining the Penn State faculty, he was director of research for the Material Electronic Products Corp.

Dr. Bernoff has served as a consultant to a variety of organizations, including school systems, colleges, publishers, the National Science Foundation, and the Department of Defense Dependents Schools in Europe.



Four members of the Chigwell School Chamber Orchestra of Essex, England, rehearse for their concert tonight, March 29, at 8:30 p.m. in the University's Schwab Auditorium. The Chigwell School, the alma mater of William Penn, is celebrating its 350th anniversary this year, and the chamber orchestra's American concert tour is part of this celebration.

University Park Calendar

March 29- April 8

Special Events

Thursday, March 29

Folklore Lecture, 7:30 p.m., Room 105 Forum.
Alan Dundes, folklore program, Univ. of Cal/Berkeley, on "Football as a Homoerotic Ritual."

History of Photography Lecture, 8 p.m., Room 101 Kern. Gisele Freund, French Federation of Creative Photographers, on "Photography and Society."
Chamber Orchestra Concert, Chigwell School, Essex, England, 8:30 p.m., Schwab.

Friday, March 30

Sports: women's tennis, vs. Trenton State, 6 p.m.; women's gymnastics, AIAW National Championships, team finals: March 31, individual finals.

Commonplace Theatre, *Harold and Maude*, 7 and 9 p.m., Room 112 Kern. Also April 1 SFO film, *McCabe and Mrs. Miller*, 7, 9, 15 and 11:30 p.m., Room 105 Forum.
Folklore Lecture, 7:30 p.m., Room 115 EE West. Alan Dundes, Univ. of Cal/Berkeley, on "Folklore in the Modern World."
Artists Series, Irene Worth in series of dramatic readings, 8:30 p.m., Schwab.

Saturday, March 31

Faculty/Staff/Grad Student Swim Relay, 7 a.m.-9 p.m., Natatorium.
Sports: baseball, vs. St. Francis (2), 1 p.m.; women's tennis, vs. William and Mary, 1 p.m.

Shaver's Creek Nature Center, "Timberdoodle Walk," observation and discussion of feeding habits, courtship displays and adaptations of the woodcock, 6 p.m., C.E. Camp, Stone Valley.

France-Cinema, *False Movement*, 7 and 9 p.m., Room 112 Kern. Also April 2 Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 1

Sports: women's tennis, vs. James Madison, 9 a.m.; baseball, vs. Duquesne, 1:30 p.m.
University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Leopold Krul, O.S.B., Catholic Center, PSU, speaker.
Suzanne Roy, soprano, 3:30 p.m., Music Bldg. Recital Hall.

Monday, April 2

Two Cultures Dialogue, "Risk-Taking vs. Scientific Evidence," noon, lunch: 12:20 p.m., talk by Frank A. Haght, assoc. director, Pa. Transportation Institute, on "Drinking and Driving."

London Bus tours of campus, weekdays, 1:30 and 2:30 p.m., HUB main entrance, through August 17.

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. William Starr, philosophy, on "Ethics, Applied Ethics and Professional Ethics."

Pamela Moyer, clarinet, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 3

Fixed date for meetings involving Commonwealth Campus faculty.
Museum of Art Lecture, 10:30 a.m., Museum of Art. Larry Salmon, curator of textiles, Museum of Fine Arts, Boston, on "Legends of the Tree of Life."



Irene Worth will appear March 30.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Earl E. Fitz, Spanish, Italian & Portuguese, on "Women in Latin American Literature."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Comp. Lit. Film Series, *Les Biches*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America Lecture, 8 p.m., HUB Assembly Hall, Robert Johnston, dean, College of Fine and Applied Arts, Rochester Institute of Technology, on "The Paleo-Ceramist at an Archaeological Site."

Artists Series film, *Prince Igor*, 8 p.m., Schwab.

Wednesday, April 4

Sports: baseball, vs. Lafayette, 3 p.m.

5 O'Clock Playwrights Theatre, Karen

Guttenberg, *Time for a Vacation*, 5:30 p.m., The Pavilion Theatre. Also April 5 and 6.

Choral Concert, Anthony Leach, conductor, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 5

Sports: women's lacrosse, vs. Delaware, 3 p.m.; men's tennis, vs. Pittsburgh, 3 p.m.

History of Photography Lecture, 8 p.m., Room 101 Kern. Karin Becker Ohn, Univ. of Iowa, on "The Photography of Dorothea Lange."

Friday, April 6

Sports: men's track, Nittany Lion Relays, through April 7.

College of Business Administration, William Elliott Lecture, 9:45 a.m., Room 112 Kern. Lawrence E. Foulkard, dean, Harvard Graduate School of Business Administration, on "Management's Need to Be Accountable."

Commonplace Theatre, *The Apple War*, 7 and 9 p.m., Room 112 Kern. Also April 8.

Artists Series, Beverly Sills, soprano, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 7

Sports: softball, vs. Edinboro, Clarion, Lack

Haven, 10 a.m.

ACLA Graduate Student Lecture, 5:15 p.m., Keller Auditorium. Martin Walser, German

novelist, on "What Makes the Author?"

France-Cinema, *Seduction of Mimi*, 7 and 9 p.m., Room 112 Kern. Also April 9.

Sunday, April 8

University Chapel Service, 11 a.m., Eisenhower Chapel. Palm Sunday Service of Interpretive

Dance, Pat Heigel-Tanner, director.
Sports: baseball, vs. West Chester, 1:30 p.m.
Lowell Krauer, organ recital, 3:30 p.m., Music Bldg. Recital Hall.

Seminars

Friday, March 30

Physical Chemistry, Paul Davidovits, Boston College, on "Reactions of Alkali Atoms with Halogen Molecules," 4 p.m., Room 333 Whitmore.

Monday, April 2

History of Photography, Susan Barger, graduate student, on "Photographic Conservation," 4 p.m., Room 230 Arts Bldg.

Tuesday, April 3

Plant Pathology, Daniel Loughner, graduate student, "Fate of Fungicides in the Soil," 9:45 a.m., Room 213 Buckhout

Biology, Jack Myers, Univ. of Texas/Austin, on "Thoughts of a Metabolic Biologist about the Algae," 11:10 a.m., Room 101 Althouse.

Solid Waste Management, Bob Kole, Pa. Alliance for Returnables, State College, on "History of Container Legislation in Pennsylvania," 2:20 p.m., Room 62 Willard.

Geosciences, MacKenzie Keith, geosciences, on "Cretaceous Volcanism and the Disappearance of the Dinosaurs," 3:45 p.m., Room 22 Deike.

Statistics, Fred C. Leone, executive director and secretary/treasurer, ASA, on "The Role and Responsibility of the Statistician," 4 p.m., Room 62 Willard.

Wednesday, April 4

History of Photography, Kathleen Fuller, Kathleen Kissick, Elizabeth Klens and Gillian Greenhill, graduate students, on "Research Problems in the History of Photography," 4 p.m., Room 230 Arts Bldg.

Thursday, April 5

Physics, Peter Banks, Utah State Univ., on "Long Wire Experiments in Space," 3:50 p.m., Room 117 Osmond.

Math, Oscar Rothaus, Cornell Univ., on "Equations in Groups," 4 p.m., Room 115 McAllister.

Friday, April 6

Psychology, Howard Poizner, Salk Institute, on "Cerebral Asymmetry for American Sign Language," 3:45 p.m., Room 107 Chambers.

Exhibits

HUB Galleries: "History of Photography Museums (Architecture), through March 30.

Leon Yost, photographs; "Women in Architecture," opens April 1; Slavic Folk Art, opens April 3. Richard Mayhew, paintings opens April 7.

Kern Commons Gallery: "Primavera," Pa. Guild of Craftsman, multi media, through April 7; Sylvia Rogers, "Patchwork," weavings and needlepoint, opens April 7.

Museum of Art: Contemporary Japanese Pottery; paintings by C.C. Wang, through April 8. Chinese paintings and mounted rocks, French works and contemporary and antique ceramics from the permanent collection.

Pattie Library: "Photographically Illustrated 19th Century Books," through April 7. Rare Books Room.

Zoller Gallery: Eleanor Zyglar, "Close Encounters of the Natural Kind," paintings.

WPSX Highlights

Saturday, March 31, at 9:30 p.m., actors, directors, and movie historians discuss the mystique of the hero and the difference between the world of the real cowboy and Hollywood's version on Reel West.

An account of adventurer Thor Heyerdahl's expedition on the Tigris is featured on the National Geographic Special, *The Tigris Expedition*, Sunday, April 1, at 8 p.m. The Tigris is a reed boat in which Heyerdahl and a 10-person crew sailed over routes he believes Summarian traders followed more than 5,000 years ago.

Sunday, April 1, at 10 p.m., opera star Beverly Sills, violinist Isaac Stern, and cellist Leonard Rose join conductor Lorin Maazel and the Cleveland Orchestra in concert on *Cleveland Orchestra 60th Anniversary Special*. Selections include works by Beethoven, Berlioz, and Tchaikovsky.

Nathaniel Hawthorne's great American classic, *The Scarlet Letter*, comes to life in a special four-part presentation to be seen Monday, April 2, through Thursday, April 5, at 9 p.m. Produced on location in Rhode Island, the drama stars Meg Foster as Hester Prynne.

We Are... Penn State, a review of the Nittany Lions' 1978 season and the Sugar Bowl confrontation with Alabama, will be broadcast Monday, April 2, at 10 p.m. The program can also be seen Saturday, April 7, at 7 p.m. and Sunday, April 8, at 11:30 p.m.

Eugene Ormandy and the Philadelphia Orchestra perform Handel's *Concerto in D Major*, Debussy's *La Mer*, and Stravinsky's *The Firebird* Wednesday, April 4, at 8 p.m. on Great Performances.

Thursday, April 5, U.N. Ambassador Andrew Young is featured on two programs: Bill Moyers' *Journal* at 8 p.m., in which he discusses his work with Dr. Martin Luther King, Jr. in the 1960s; and *The Diplomatic Style of Andrew Young* at 10 p.m., in which he discusses his approach to diplomacy.

Five O'Clock Theatre to present mini festival

Five O'Clock Theatre, Penn State's off-Broadway, has been expanded this term and will offer a mini theatre festival of four productions during the first two weeks of April and the second week of May.

The four selections to be presented are: "Time for a Vacation" by Karen Guttenberg, April 4, 5, and 6; "The Same Old Routine" by Peter Hardy, April 11, 12, and 13; and a double bill of "On a Ledge Sitting Sideways" by Peter Michaelson and "Doo Doo" by Paul Malluk, May 9, 10, and 11.

All performances are free and will take place at 5:30 p.m. in the Pavilion Theatre.

Established about 30 years ago, 5 O'Clock Theatre is dedicated to the production of scripts that are written, directed, designed and acted by students.

Several scripts from past 5 O'Clock Theatre productions have gone on to production elsewhere, most notably last year's "The Higher Education of Dexter." The comedy, by graduate student Rick Gianiero, was later produced in New York.

No tickets left for Sills concert

The Artists Series announces that no tickets remain for the concert by Beverly Sills on Friday, April 6.



"The Funambulists," a painting by Eleanor Zyglar in Zoller Gallery show.

News in Brief

Cancer program to be offered

A program on colorectal cancer, "Warning Signals and Safeguards," will be available for faculty and staff members at University Park during April, May and June.

Presented by the Centre County Unit of the American Cancer Society, the program is directed primarily to the over-35 age group, but any member of the University community is welcome to participate. The colon-rectum cancer program has been approved by the University Health Services.

Personnel representatives will contact faculty and staff members and arrange for small groups to attend the noontime workshops in or near their work areas.

The program will include a short film, "The Cancer No One Talks About," a talk, a question and answer period, and registration for Hemoccult slides.

New VADD booklets

A revised booklet describing the previously announced changes in the Voluntary Accidental Death and Dismemberment (VADD) Program has been sent to all faculty and staff members in the program. The new benefits and reduced premiums went into effect Jan. 1. Anyone who did not receive a new booklet can get a copy by calling Employee Benefits, 865-1473 (Network 473-1473).

Dutch elm spraying to begin April 1

The annual spraying for Dutch elm disease at University Park will begin April 1, weather permitting.

Although the sprays being used have been approved by the Pesticides Committee in the College of Agriculture, the materials may be difficult to remove from cars. Prompt removal with soap and water is recommended.

Soprano Suzanne Roy to sing April 1

Suzanne Roy, soprano, will present a recital at 3:30 p.m., Sunday, April 1, in the Music Building Recital Hall. She will be accompanied by Carroll Chilton, pianist and professor of music at the University of Wisconsin at Madison.

Featured on Ms. Roy's program will be several songs based on texts of Edna St. Vincent Millay, which were written for Ms. Roy by Dr. Jack Jarrett, director of the orchestra and opera at Virginia Commonwealth University.

Ms. Roy will also perform songs by Purcell and Arne, the "Cinq Poemes de Baudelaire" by Debussy and Brahms' "Zigeunerlieder," opus 103.

Ms. Roy, an assistant professor of music at the University, studied with Bettina Bjorksten, Chase Baromeo and John McCollum and has worked with opera directors Boris Goldovsky, Gustav Meier, Josef Blatt and Karlos Moser.

Creative dramatics will be offered for children

A creative dramatics class for children will be offered again Spring term by the University Department of Theatre. The free class, which will meet every Monday and Wednesday afternoon from April 2 to May 14, will be taught by Brian Morgan, assistant professor of theatre.

Classes will involve individual and group work in concentration, imagination, creative movement, storytelling, speech and role playing.

The course will be divided into two age groups. Five- and six-year-olds will meet from 2:30 p.m. to 3:15 p.m., and 10- and 11-year-olds will meet from 3:45 to 4:45 p.m.

Those interested in the class are urged to contact Mr. Morgan at 865-7586.



The preservation of old photographs will be discussed by Susan Barger, graduate student, at 4 p.m. Monday, April 2, in Room 230 Arts Building. Ms. Barger's talk, "Photographic Conservation," is sponsored by the 1979 History of Photography Week at Penn State. The above print was made from a deteriorating nitrate negative in Harvard University's collection.

RIT dean is speaker for archaeological society

Dr. Robert Johnston, dean of the College of Fine and Applied Arts at Rochester Institute of Technology, will speak on "The Paleo-Ceramist at an Archaeological Site" at 8 p.m. Tuesday, April 3, in the HUB Assembly Room.

His illustrated public talk is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America. Dr. Johnston received a Ph.D. from Penn State in 1970 and has served as chairman of the Department of Art at Lock Haven State College. He was a field archaeologist in ceramics at Cyprus with Harvard University. He also worked in Afghanistan, Iran, Jordan, Israel and Cyprus with The American Schools of Oriental Research and with their support was a UNESCO Field Staff Member on expeditions to Carthage and to the Southeastern Dead Sea area.

He is currently completing a research project on the addition of organic material to Eastern clays with Dr. Frederick Matson, professor emeritus of archaeology at the University.

Alumni to honor Walker and Wettstone

The Penn State Alumni Association will confer the Honorary Alumni Award on two men who have profoundly affected the development and reputation of the University — President Emeritus Dr. Eric A. Walker and former gymnastics coach Eugene Wettstone.

The awards will be bestowed during the all-class luncheon and Distinguished Alumni Award ceremony to be held in Recreation Building Saturday, June 2.

The Honorary Alumni Award honors a person who, though a graduate of another institution, has made outstanding contributions toward the welfare of Penn State and has significantly enhanced its prestige. It is not an annual award, but is given only when the Alumni Association wishes to honor an exceptional individual.

Penn State's 12th president, from 1956-70, Dr. Walker is a scientist of international reputation. His 25 years of service to the University also included tenures as director of the Ordnance Research Laboratory, professor and head of the Department of Electrical

Engineering, dean of the College of Engineering, and vice president of the University.

Mr. Wettstone, who retired in 1976 as professor emeritus of physical education, became one of the nation's most successful gymnastics coaches during his 38 years at Penn State.

He led the development of gymnastics in the United States by establishing programs for national teams, bringing international competition to America, and creating the double-dual meet for collegiate competition.

His Nittany Lion teams compiled a dual meet record of 201-39-11, and won nine National Collegiate Athletic Association (NCAA) championships and 17 Eastern Intercollegiate Gymnastics League (EIGL) titles, more than any other school.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 3, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DEAN OF STUDENT AFFAIRS, Fayette Campus Responsible to the Dean of Student Affairs for the administration and coordination of various functions within student affairs operations at the Fayette Campus, primarily in the areas of secondary school relations, financial aid, and services and programs for adult students. Participate in the delivery of services and conduct aspects of other programs in student affairs at the Campus as assigned. Master's degree or equivalent in student personnel administration, counseling, or related field, plus 2 to 4 years of directly related experience.

MUSEUM ASSISTANT — UNIVERSITY ARTS SERVICES, University Park Work directly with the assistant director and curators to develop display concepts. Keep abreast of current security, climate, display, storage techniques and equipment, inform staff of new developments, supervise graduate assistants and wage payroll personnel in activities related to transportation, storage and display of valuable works of art. A bachelor's degree in art or equivalent, plus 1 to 2 years of directly related experience. The person should have a strong background in the visual arts.

PHYSICAL THERAPIST II — COLLEGE OF MEDICINE, Hershey Responsible to the Assistant Manager for the treatment, evaluation, and instruction of patients by various means of physical therapy which are utilized within the department. A bachelor's degree in science degree in physical therapy or a bachelor's degree in biology or chemistry, with a certificate in physical therapy, plus 1 to 2 years of directly related experience. Should be Pennsylvania licensed or eligible for Pennsylvania licensure.

ASSISTANT PUPIL TRANSPORTATION SPECIALIST — CONTINUING EDUCATION, University Park Responsible to the Director, Institute for Motor Fleet Training for developing, organizing and conducting courses and workshops for Pupil Transportation Supervisors. Bachelor's degree (or equivalent), plus a minimum of 2 to 3 years of effective teaching and supervisory experience, such as pupil transportation, safety education, educational administration. Should have experience in working with committees and advisory groups and demonstrated ability in verbal and written communication. Master's degree preferred.

MANAGER, AMBULATORY SERVICES — COLLEGE OF MEDICINE, Hershey Responsible to Assistant Hospital Director for the administration and coordination of the Outpatient Department, the Emergency Care Unit and the Ambulance Care Unit. Bachelor's degree or equivalent, with 3 to 4 years of directly related experience.

Senate

(Continued from page 1)

Committee on Curricular Affairs. A survey of faculty organizations at all University locations has been prepared by the Committee on Intra-University Relations.

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Penn State Intercom



Mr. Peters

Peters to return as CBA Fellow

Ralph E. Peters, president of the domestic division of Berger Associates, Inc., ninth largest architectural and engineering firm in the nation, will return to Penn State next week as a College of Business Administration Alumni Fellow.

Mr. Peters will spend April 10 through 12 meeting with students, faculty and administrators, in formal and informal settings, to share with them his professional experiences.

Mr. Peters received a degree in business administration in 1948. He is currently on the Alumni Council's Executive Board and is president of the College of Business Administration's Alumni Society at the University.

In addition to his duties with Berger Associates, Mr. Peters heads his own firm of management and accounting consultants. A native of Harrisburg, he has a long history of civic service to that community. He has been president of 10 different civic organizations in recent years, ranging from the Jaycees (State president and national vice president) to the Girls' Club of Harrisburg.

Currently, Mr. Peters is an officer or board member of 14 civic, state and university organizations in the Harrisburg area and an active member in numerous other community activities.

24 faculty get research grants

Twenty-four faculty members have been awarded one-year Research Initiation Grants from a fund approved by President Oswald. Grants of \$2800 to \$5600 were made from the program, which was established to encourage and support research and other creative work.

The 1979 Research Initiation Grants program was open to new faculty members at all campus locations who had accumulated no more than two years of service prior to September 1979. Dr. Richard G. Cunningham, vice president for research and graduate studies, said the program is organized to support lines of research that may lead to external sponsorship.

Seventy proposals were received and screened by a committee of Richard C. Nelson (chairman), Roland J. Pellegrin, Leonard N. Zimmerman, Paul H. Rigby, and Forrest J. Remick (ex officio). Faculty members awarded grants and

(Continued on page 2)

Black Woman is topic of Spring Symposium

"Changing Perspectives of the Contemporary Black Woman" is the theme for the annual Spring Symposium of the Black Studies Program, to be held Wednesday, April 11, through Friday, April 13, at University Park.

A number of distinguished women from government, academia, the news media and the arts are scheduled to talk and answer questions during the sessions, which are open free to the public. The following activities, unless noted otherwise, will take place in the North Lounge of the Hetzel Union Building:

Dr. Anna L. Blevins, Pennsylvania's deputy commissioner of higher education, will give the symposium's opening address, "Demythologizing the Educational Status of Black Women," at 3:30 p.m. Wednesday, April 11. Her talk will be preceded by a welcoming reception at 3 p.m.

A session on "New Directions in Education" will be held from 7:30 to 9:30 p.m. Thursday. Provost Edward D. Eddy will make introductory remarks. The speakers will be Dr. Reatha C. King, president of Metropolitan State University, St. Paul-Minneapolis, Minn., and Dr. Barbara A. Sizemore, associate professor, Department of Black Community, Education, Research and Development, University of Pittsburgh. A reception for the speakers will be held afterwards in the HUB Gallery Lounge.

Dr. Elizabeth A. Abramowitz, of the White House Staff for Domestic Policy Concerning Women, will speak at a session on "The Carter Administration, Women, and Minorities," to be held from 10 a.m. to noon on Thursday, April 12.

A roundtable discussion on "The Potential for Effective Government Intervention on Behalf of Minorities and Women," will take place from 12:30 to 2 p.m. Thursday. Participants will be: Drs. Blevins, King and Abramowitz; Frances M. Beal, editorial staff member of The Guardian; and Frances Farmer, director of the Office of Interagency Coordination for the Equal Employment Opportunity Commission.

A session on "The Future of Affirmative Action" will be held from 3:30 to 5 p.m. Thursday. Speakers will be Ms. Farmer and Ms. Audrey Rowe, special assistant to the Mayor, for Youth Affairs, Washington, D.C. Ms. Farmer's topic is "The Federal Civil Rights Reorganization: Blueprint for the Future."

Ms. Beal will speak on "Triple Jeopardy: The Intersection of Race, Sex and Class" at 7:30 p.m. Thursday. Three sessions and a dramatic performance are on tap for Friday, April 13.

"The Role of Black Women in Politics," from 10 a.m. to noon, will feature a talk by Dr. Ethel D. Allen, secretary of the commonwealth of Pennsylvania. The session is being co-hosted by the Nittany Council of Republican Women.

"Black Women and the Media," from 12:30 to 2 p.m., will feature Ms. Rowe and Vanie Burrows, an actress and a permanent, non-governmental organization representative to the United Nations.

Dr. Johnetta Cole, professor of anthropology at the University of

(Continued on page 4)



Dr. Blevins



Dr. King



Dr. Sizemore

University readies response to crisis

By the time INTERCOM went to press Monday afternoon, a Penn State committee, appointed by President Oswald, had prepared a series of recommendations on how facilities at University Park and other campuses might best be utilized in connection with the emergency at the Three Mile Island atomic plant.

"The committee is considering what Penn State can do to accommodate large numbers of people as part of a broad civil defense plan," the President said. "We will cooperate fully with officials in charge of any precautionary evacuation in case it proves advisable."

"The first priority," the President continued, "was doing something about the problem at Capitol Campus, located about five miles from the nuclear plant."

Capitol Campus was closed on March 30, shortly after Governor Thornburgh directed that all academic institutions within five miles of the nuclear plant be shut down.

The original April 2 opening of the Campus's spring term will be delayed until Monday, April 9. Capitol Campus is on a different academic calendar than the rest of the University, and it is expected students will be able to complete the term as previously scheduled.

Dr. Oswald further noted that much attention was given to plans for the Hershey Medical Center, located about 8.5 miles from the nuclear plant.

Medical Center physicians, nurses and other personnel are serving as a backup at the evacuation center established at the Hershey Park Arena for pregnant women and pre-school children.

Provost Harry Prystowsky and his staff also have drawn up precautionary evacuation plans for the Medical Center should this be necessary. The Medical Center is an integral part of a comprehensive emergency plan developed for the Dauphin County area.

"In addition," said Dr. Oswald, "Medical Center officials have already taken steps to reduce the patient load. Only patients brought in on emergencies are being admitted to the Medical Center, and patients who can be safely sent home are being discharged early. No elective surgery is being done."

Members of the committee appointed by Dr. Oswald are Robert A. Patterson, senior

(Continued on page 4)

News in Brief

Inquirer reporters to give two seminars

Two reporters from the Philadelphia Inquirer will be at University Park Tuesday and Wednesday, April 10 and 11, to participate in seminars analyzing a series of eight articles which they wrote last fall on the Pennsylvania General Assembly.

The articles, which appeared Sept. 10-17 in the Inquirer, have been nominated for a Pulitzer Prize.

At the first panel, which will be held at 10 a.m. Tuesday in Room 112 Kern Building, reporters Tom Ferrick and Jane Shoemaker will describe how their series was put together. The second seminar,

which will be at 4 p.m. Wednesday in 112 Kern, will include an evaluation of the effect of the series and the role of the media.

The Inquirer's executive editor, Eugene L. Roberts, will accompany the reporters, and the trio will visit several journalism classes.

The public is invited to attend the seminars, which are sponsored by the School of Journalism. Plans are being made to record the seminars for later publication.

Summer Reserve lists due by April 19

Reserve reading lists for Summer Term 1979 should be submitted to the Reserve

(Continued on page 4)

Penn Staters



"Aztec", 1979, by Richard Hamwi.

Richard Hamwi, an instructor in the department of art, is having his second one-person exhibition at the Parsons-Dreyfus Gallery in New York City. The show opened April 3 and will continue through April 21. On view are 30 works on paper which have been completed during the past three years.

Dr. Joseph H. Britton, professor of human development and chairman of The Gerontology Center, is the new president-elect of the Association for Gerontology in Higher Education (AGHE). Dr. Britton, who also serves as acting director of the Institute for the Study of Human Development, was elected to the post during the recent fifth annual meeting of the AGHE, and will be installed as president for 1980-81 during the annual meeting in Denver next year. The AGHE, founded in 1972, has a membership of more than 170 colleges and universities throughout the U.S. and Canada.

Dr. Paul T. Baker, professor of anthropology, recently returned from New Zealand where he served as 1979 Visiting Professor to the Epidemiology Unit and Department of Community Health of the Wellington School of Medicine. During that time, Dr. Baker participated in an International Migration and Health Seminar, which reviewed health-related research on migrant populations in Australia, New Zealand and the Pacific. Dr. Baker presented the opening lecture on "The Migration Process and Human Adaptability" and a second lecture on current results of the Penn State Samoa Project which he directs.

Dr. Dorothy V. Harris, professor of physical education, was elected to the American Academy of Physical Education and inducted as a Fellow at the 51st annual meeting held recently in New Orleans. The number of active Fellows at any one time is limited to 125. Dr. Harris was recognized for her research in the areas of sports psychology, women and sport, and physical education. Dr. Harris also participated recently in the Governor's Conference on Sports Medicine in Illinois High Schools, speaking on the topic, "Women in Sports."

Dr. George M. Greene, associate professor of pomology, and Dr. Cyril B. Smith, professor of plant nutrition, presented papers at meetings of the International Society of Horticultural Science this week in Canterbury, England.

Dr. Green spoke on "Influence of Calcium Chloride Rate and Spray Method on the Calcium Concentration of Apple Fruits." Dr. Smith's paper summarized results from a project entitled, "Nitrogen and Lime Treatment Effects on the Nutrient Balance of Apples."

Dr. Daniel Walden, professor of American studies, was a speaker at the Spring Symposium on Popular Culture sponsored by the Departments of History and English at the State University College, Fredonia, N.Y. He spoke on popular culture since World War II, specifically the influence of technology, the changing image of the hero, and ethnicity.

Appointments

Joseph R. Drago as assistant professor and director of urologic oncology at Hershey. B.S., U. of Illinois-Urbana; M.D., U. of Illinois-Chicago; residency, PSU-Hershey. Formerly assistant professor, UC-Davis; instructor, PSU-Hershey.

Terry D. Etherton as assistant professor of animal nutrition. B.S., M.S., U. of Illinois-Urbana; Ph.D., U. of Minnesota; postdoctoral fellow, Stanford U. School of Medicine.

Penny M. Kris-Etherton as assistant professor of biological health/nutrition. B.S., Rochester Institute of Technology; M.S., Case Western Reserve U.; Ph.D., U. of Minnesota; postdoctoral fellow, Stanford U.

William B. Roush as assistant professor of poultry science. B.S., M.S., Brigham Young U.; Ph.D., Oregon State U.

Martin B. Scharf as assistant professor of psychiatry at Hershey. B.A., UCLA; Ph.D., PSU-Hershey.

Wendy C. Weissberger as research assistant of plant pathology. B.S., PSU. Formerly senior research aide, PSU.

Bookshelf

Dr. Thomas F. Powers, professor of organizational behavior, is the author of *Introduction to Management in The Hospitality Industry*, published by John Wiley & Sons, Inc., New York. The 383-page text is part of the Wiley Service Management Series, for which Dr. Powers is editor.

Using an approach founded on contemporary interdisciplinary research, the book provides an analytical description of the economics and operating structure of the major segments of the hospitality industry, and discusses the application of management principles to the industry.

It considers the major new aspects of the industry — theme parks, national parks, camping and recreational facilities — and contemporary service institutions such as fast food, restaurant chains, government food service, community nutrition programs, and health care and educational institutions. The contributions of the hospitality industry leaders to the development of management thought are also considered.

The book's concluding chapter discusses the forces already at work in shaping the future of the industry.

Jo Marie Powers, assistant professor of food service and housing administration, is the author of *Basics of Quantity Food Production*, published by John Wiley & Sons, Inc., New York. The textbook, 514 pages long, is part of the Wiley Service Management Series.

The book is intended as an introduction to food production for students involved in hotel and restaurant management, food service, and dietetics. It shows how to relate the principles of small quantity cooking to quantity food preparation by focusing on the management of food flow through the kitchen.

The author discusses the problems of management and supervision at the unit operating level, emphasizing the role of supervisor in production planning — menu analysis, recipe development, and forecasting.

The text's third section is devoted to special food problems, including the development of an awareness of flavor, sanitation and microbiological control, the preparation of manufactured and convenience food, and special dietary needs.

Dr. John J. Horan, associate professor of education, is the author of *Counseling for Effective Decision Making: A Cognitive-Behavioral Perspective*, published by Duxbury Press.

The book constructs a counseling model for helping people improve the quality of their personal decisions on a wide variety of topics including careers, marital issues,

and elective medical interventions.

A central premise is that the effectiveness or adaptiveness of a decision depends upon the behaviors that precede the decision rather than on the events that follow it. The counseling model proposed synthesizes concepts drawn from formal decision theory, psychological studies of the problem solving process, and current systems of counseling and psychotherapy. A chapter on ethical issues is also included. The book is intended for those with both research and applied interests in the field of counseling.

25-year chair



Penn State, affectionately regarded as "Lineabcker U." by NFL scouts and sports writers, has also produced a succession of outstanding defensive ends and linemen over the years.

Much of the credit for their development belongs to assistant coach J.T. White, who recently received his 25-year chair from the University.

An associate professor of physical education, Mr. White has been on the Nittany Lions' staff longer than any currently-active coach, with the exception of head coach Joe Paterno, who has been here since 1951.

"J.T. White is one of the greatest people who have ever been at Penn State," Mr. Paterno says. "He's as hardworking, industrious and loyal as anybody could be."

Mr. White played college football for two national champion teams — at two different schools. He was an end on both offense and defense for Paul Brown's national champion Ohio State squad in 1942. After three years in the Army during World War II, he transferred to the University of Michigan, playing offensive center and linebacker on Fritz Crisler's 1947 national champion team which clobbered Southern California 49-0 in the Rose Bowl. Mr. White also played in the 1948 College All-Star Game.

He was drafted by the Brooklyn Dodgers and the Detroit Lions, but chose to join Bennie Oosterbaan's football coaching staff at Michigan, remaining there through 1953.

The best part of Penn State's football program, Mr. White believes, is its emphasis on academic achievement. "I'm really proud that most of our players graduate and have something to fall back on besides football," he says.

Psychology Student Research Fund to honor Don Trumbo

The Don A. Trumbo Psychology Department Student Research Fund has been established at the University to honor a former professor of psychology who died March 5, 1978.

Initial contributions to the fund have come from Penn State faculty members and recent Ph.D. graduates of the Department of Psychology.

An attempt has been made to build up sufficient principal so that interest payments can be used to finance research expenses incurred by graduate and superior undergraduate students, explains

Research awards

(Continued from page 1)

the proposal titles are:

Allen C. Bludorn, assistant professor of organizational behavior, the relationship between organizational processes and structures;

Goong Chen, assistant professor of mathematics, optimal controllability for time-varying systems;

Samuel G. Davis, assistant professor of management science, a comprehensive commercial bank operations planning and scheduling model for strategic and tactical decision-making.

Jonathan G. Dickinson, assistant professor of economics, to initiate research on econometric tests of cost minimizing behavior;

Terry D. Etherton, assistant professor of animal nutrition, insulin regulation of glucose metabolism in adipose tissue of the pig;

Gregory S. Forbes, assistant professor of meteorology, the synoptic-scale environment of downburst-producing thunderstorms.

Lynne I. Goodstein, assistant professor of criminal justice, coerced versus voluntary inmate participation in correctional rehabilitation programs;

Gunnild O. Hagestad and Michael A. Smyer, assistant professors of human development, late life divorce, personal adjustment, and social networks: an exploratory study;

Rick Jacobs, assistant professor of psychology, verbal reports versus statistical models of information processing.

Joseph Ja'Ja', assistant professor of computer science, research on bilinear computations;

Robert G. Jenkins, assistant professor of fuel science, molecular sieve properties of solvent extracted coals;

Peter M. Jogo, assistant professor of art, techniques of multiple-color monotype.

Kenneth A. Johnson, assistant professor of biophysics and biochemistry, kinetic analysis of the dynein ATPase;

Arun Kilara, assistant professor of food science, influence of gastric digestion on the survival and functions of lactic acid bacteria;

Penny M. Kris-Etherton, assistant professor of nutrition science, the influence of fatty acids of different chain length and saturation on high density lipoprotein synthesis by the isolated perfused rat liver.

G. Warren Marks, associate professor of civil engineering, added parameters in block triangulation;

Zena Beth McClashan, assistant professor of journalism, history of women in journalism;

Bruce A. Murphy, assistant professor of political science, to examine the evolving standard of propriety governing extrajudicial political behavior by judges.

Robert M. Petters, assistant professor of biology, production of homozygous mammals by micro-surgery on embryos;

Ronald D. Porter, assistant professor of microbiology and cell biology, effects of DNA substrates on recombination in *E. coli*;

James J. Reuther, assistant professor of fuel science, coal dust explosion suppression and combustion inhibition by water, inorganic powders, and hybrids of these agents.

Johannes D. Veldhuis, from the department of medicine at Hershey, prolactin action in the porcine granulosa cell;

Daniel W. Weedman, professor of astronomy, observations of emission-line galaxies.

Dr. Robert Stern, professor and head of psychology.

Such expenses might include the purchase of specialized equipment or travel funds.

Dr. Trumbo joined the University faculty in 1967. He had previously been a professor of psychology at Kansas State University. An H. Thomas Hallows fellow, he had also held a NATO senior scientist faculty fellowship and a NATO visiting lectureship.

Contributions to the fund may be sent to the Office of Gifts and Endowments, Room 116 Old Main.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

April 5-15

Special Events

Thursday, April 5

5 O'Clock Playwrights' Theatre, Karen Cottenberg, *Time for a Vacation*, 5:30 p.m., The Pavilion Theatre. Also April 6.
FSHA, 11th century banquet, 5:30 p.m., Maple Room, Henderson. Reservations, 865-7441.
History of Photography Lecture, 8 p.m., Room 101 Kern. Karin Becker Ohn, Univ. of Iowa, on "The Photography of Dorothea Lange."

Friday, April 6

Sports: men's track, Nittany Lion Relays, through April 7.
College of Business Administration, William Elliott Lecture, 9:45 a.m., Room 112 Kern. Lawrence Fouraker, dean, Harvard Graduate School of Business Administration, on "Management's Need to Be Accountable."
College of Education Coffee Hour for Dr. Linda S. Hartsock, executive director, Adult Education Association of U.S.A., 9:45 a.m., Fireside Room, Nittany Lion Inn.
Commonsplace Theatre, *The Apple War*, 7 and 9 p.m., Room 112 Kern. Also April 8.
Delta Chi Marathon, 7 p.m.-7 p.m., April 7, a marathon run for charity around Old Main.
Ariston Series, Beverly Silis, soprano, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 7

National Blind and Braille Club, Live-Stock Judging Contest, 8:45 a.m., Beef-Sheep Center.
Sports: softball, vs. Edinboro, Clarion, Lock Haven, 10 a.m.
ACLA Graduate Student Lecture, 5:15 p.m., Keller Auditorium. Martin Walser, German novelist, on "What Makes the Author?"
France-Cinema, *Seduction of Mimi*, 7 and 9 p.m., Room 112 Kern. Also April 9.

Sunday, April 8

Lutheran Student Parish, Medieval Mystery Passion Play, "Palm Sunday," 10:30 a.m., Eisenhower Chapel courtyard; 11:45 a.m., Eisenhower Auditorium plaza; 12:30 p.m., East Halls.
University Chapel Services, 11 a.m., Eisenhower Chapel. Palm Sunday Service of Interdependent Dances, Ed Hartzel-Tanner, director.
Sports: baseball, vs. West Chester, 1:30 p.m., Black Arts Festival, "Perspectives of the '80s," Alard String Quartet and paintings by Richard Mayhew, 3 p.m., HUB Gallery.
Lowell Knauer, organ recital, 3:30 p.m., Music Bldg., Recital Hall.

Monday, April 9

Lutheran Student Parish, Passion Play, "Trial and Condemnation," 10:50 a.m., Art Museum Theatre, 12:25 p.m., front of Willard.
Sports: men's tennis, vs. Navy, 3 p.m.
Shakespeare film, *Hamlet* (Oliver), 6:30 p.m., Room 101 Chambers.
Stephen Harrison, "cello, 8:30 p.m., Music Bldg., Recital Hall.

Tuesday, April 10

Seminar by Phila. Inquirer reporters Tom Ferrick and Jane Shoemaker on series they wrote about the Pa. General Assembly, 10 a.m., Room 112 Kern.
Lutheran Student Parish, Passion Play, "Crucifixion," 11:30 a.m., Fisher Plaza, 12:30 p.m., front of Osmond.
FSU Credit Union Board meeting, noon, Telephone Bldg. Members welcome.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Michael Halasz, Emh biographer and critic, on "History Versus Biography."
Sports: men's golf, vs. Bucknell, 1 p.m.; baseball, vs. Bucknell, 3 p.m.
Shakespeare film, *Hamlet* (Williamson), 6:30 p.m., Room 101 Chambers.
Comp. Lit. Film Series, *The Healing*, 7 and 9 p.m., Room 112 Kern.

Wednesday, April 11

Lutheran Student Parish, Passion Play, "Harrowing of Hell," 11:30 a.m., Fisher Plaza; 12:30 p.m., front of Osmond.
Sports: men's tennis, vs. Colgate, 3 p.m.
Black Studies Spring Symposium, "Changing Perspectives on the Contemporary Black Woman: Education, Career, Family and Feminism," Anna L. Blevins, Pa. deputy commissioner of higher education, on "Demystologizing the Educational Status of Black Women," 3:30 p.m.; "New Directions in Education," with Reatha C. King,

president, Metropolitan State Univ.; Barbara A. Sizemore, Univ. Pittsburgh, 7:30 p.m., HUB North Lounge.

Seminar by Phila. Inquirer reporters Tom Ferrick and Jane Shoemaker on series they wrote about the Pa. General Assembly, 4 p.m., Room 112 Kern.

5 O'Clock Playwrights' Theatre, Peter Hardy,

The Same Old Routine, 5:30 p.m., The Pavilion Theatre. Also April 12 and 13.
Artists Series, The Waverly Consort, music from the Elizabethan and Jacobean periods, 8:30 p.m., Schwab.

Thursday, April 12

Black Studies Spring Symposium. Elizabeth A. Abramowitz, White House Staff for Domestic Policy Concerning Women and Minorities, on "The Carter Administration, Women, and Minorities," 10 a.m.; round-table discussion, "The Potential for Effective Government Intervention on Behalf of Minorities and Women," 12:30 p.m.; "The Future of Affirmative Action," 3:30 p.m.; "Triple Jeopardy: The Intersection of Race, Sex and Class," 7:30 p.m., all in HUB North Lounge.

Waverly Consort workshop, "Consort Songs of the Late 16th and Early 17th Centuries in England," 10 a.m., Room 112 Kern. Free and open to the public.

Lutheran Student Parish, Passion Play, "The Three Maries," 10:50 a.m., Art Museum Drive; 12:25 p.m., front of Osmond.

Sports: softball, vs. Cortland (2), 1 p.m.; baseball, vs. Juniata, 3 p.m.; men's volleyball, vs. East Stroudsburg, 7 p.m.
Latin American Studies Committee Lecture, The Honorable Wilmar C. Bowlder on "Negotiating the Nicaraguan Crisis," 7:30 p.m., Room 262 Willard.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, April 13

Deadline to sign up for University garden plot, Room 305 Kern.
Black Studies Spring Symposium, "The Role of Black Women in Politics," 10 a.m.; "Black Women and the Media," 12:30 p.m.; "Black Women in History," 3:30 p.m., all HUB North Lounge.

France-Cinema, *Cat and Mouse*, 7 and 9 p.m., Room 112 Kern.

Vinie Burrows in "Sister/Sister," a dramatic portrayal of Black women in history, 8 p.m., Schwab.

Saturday, April 14

Sports: women's track, vs. Maryland; softball, vs. Ithaca (2), 1 p.m.; women's lacrosse, vs. I.M. Marsh, 2 p.m.; men's lacrosse, vs. Drexel, 7 p.m.; men's volleyball, vs. Springfield, 7 p.m.

Sunday, April 15

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. All-Faith Choir Easter Service. Tommie Irwin, director.



Vinie Burrows will appear April 13.



Landscape watercolor by C.C. Wang at Museum of Art.

Seminars

Friday, April 6

Psychology, Howard Polzner, Salk Institute, on "Cerebral Asymmetry for American Sign Language," 3:45 p.m., Room 107 Chambers.

Monday, April 9

Genetics, Bernie May, graduate student, on "Evolutionary Role of Introgressive Hybridization," 3:55 p.m., Room 111 Tyson.

Tuesday, April 10

Plant Pathology, Richard Stevenson, graduate student, on "The Spread of the Soil-Borne Pathogen *Fomes annosus*," 9:45 a.m., Room 213 Buckhout.

Biochemistry and Biophysics, John Patton, Peter Brent Brigham Hospital, Boston, on "Biochemistry of Fat Digestion," 11:10 a.m., Room 101 Althouse.

Biology, Kenneth P. Able, SUNY/Albany, on "Field Studies of the Orientation of Nocturnal Bird Migrants," 11:10 a.m., Room 112 Buckhout.

Solid Waste Management, John Blazosky, Todd Giddings Associates, State College, on "Recent Sanitary Landfill Design Experiences," 2:20 p.m., Room 62 Willard.

Astronomy, Bruce W. Carney, Carnegie Institute of Technology, on "The Ages of Globular Clusters," 4 p.m., Room 445 Davey.

American Society for Metals, Howard A. White and Dennis S. Davis, magnet division, Sackpock Carbon Co., Kane, Pa., on "Hard Ferrite Magnets," 7:30 p.m., Room 301 Steidle.

Wednesday, April 11

Sigma Delta Epsilon, Lillian Wakeley, MRL, on "Coal: Some Little Known Facts Determined by Optical Microscopy," noon, Room 101 A Kern.

Thursday, April 12

Chemistry, J. Shapley, Univ. of Illinois, on "Recent Advances in Organometallic Cluster Chemistry," 12:45 p.m., Room 333 Whitmore.

Anthropology, Deborah Nichols, Bruce Byland and Susan T. Evans, graduate students, on "Ecological and Evolutionary Implications of Settlement Systems in Prehispanic Mesoamerica," 3:30 p.m., Room 101 Kern.

Physics, Walter Bron, Indiana Univ., on "Measurements of Phonon Lifetimes," 3:50 p.m., Room 117 Osmond.

Acoustics, Larry J. Erikson, Nelson Industries, Stoughton, WI, on "Research Needs in Silencer Design for Internal Combustion Engines," 4 p.m., Room 73 Willard.

Mathematics, E.G.K. Lopez-Escobar, Univ. of Maryland, on "Intuitionism or Not Intuitionism: That's Not the Question," 4 p.m., Room 115 McAllister.

Friday, April 13

Analytical Chemistry, S.J. Ankrabandt, graduate student, on "Electrochemistry of Thioulsulfate," 11:10 a.m., Room 333 Whitmore.

Exhibits

HUB Galleries: "Women in Architecture," through April 14; Leon Yost, photographs; Slavik Folk Art and Ukrainian Club Art. both through April 30.

Kern Commons Gallery: "Primavera," Pa. Guild of Craftsmen, multi media, through April 7; Sylvia Rogers, "Patchwork," weavings and needlepoint, opens April 7; BFA/MEA Printmaking International, through April 17.

Museum of Art: Contemporary Japanese Pottery; paintings by C.C. Wang, through April 8; Chinese paintings and mounted rocks; French works, and contemporary and antique ceramics from the permanent collection, through April 15. Alumni Gift is 1972-1979, opens April 14.

Pattee Library: Sculpture by Harold Van Houten, through April 16; East Corridor Gallery: photography by Steve Williams, through April 14; Lending Services Lobby.

Zeller Gallery: Eleanor Zygler, "Close Encounters of the Natural Kind," paintings, through April 15.

WPSX Highlights

Conductor/composer Andre Previn returns for his third season on public television, Saturday, April 7, at 9 p.m., uniting conversation and music in an eight-part series. Previn and the Pittsburgh. Featured in the first program is jazz great Ella Fitzgerald.

Monday, April 9, at 9 p.m., a one-hour special. Just an Average, Good Businessman, examines the role of the small businessman by profiling Jack Sitkin, manager of Sitkin Industries, formerly of Lewistown, Pa.

The Library of Congress, which began in 1800 with 6,000 volumes donated by Thomas Jefferson, now holds tens of millions of items in its collection. Daniel J. Boorstin, present Librarian of Congress, talks about the library's role as a "trustee for the world" in the 90-minute documentary, *The Library of Congress: A Portrait of an American Institution*, Thursday, April 10, at 9 p.m.

Kate Nelligan, a successful actress of both stage and screen, makes her TV debut as Isabella in William Shakespeare's *Measure for Measure* Wednesday, April 11, at 8 p.m. on The Shakespeare Plays.

Thursday, April 12, at 8 p.m. Bill Moyers' Journal follows the true story of an 18-year-old New Jersey boy who returned home from military school one day and killed his entire family. Bill Moyers talks with the boy's relatives. Friends and neighbors in an attempt to provide a perspective on the tragedy.

News in Brief

(Continued from page 1)

Reading Room, W11 Pattee, on or before April 19 to allow ample time for processing. Lists received after the deadline will be accepted only if materials requested are not needed until the start of the third week of classes; all reserve lists will be processed strictly in order received.

Only required readings, which will circulate either for a two hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person at W11 Pattee.

Waverly Consort returns for third concert on April 11

The Waverly Consort, forerunner in a new musical movement to encourage the revival of Renaissance music, will make its third appearance this season at the University at 8:30 p.m. Wednesday, April 11, in Schwab Auditorium. The concert is sponsored by the Artists Series.

The Consort, under the direction of Michael Jaffee, performs music of the five centuries between the Gregorian chant and the Baroque. Authenticity is enhanced by period costumes and the playing of Renaissance instruments — flutes, recorders, shawms, psalteries and rauschpfeifen.

For their Penn State performance, the six vocalists and four instrumentalists will draw from a repertoire of madrigals, anthems and music of Shakespearean theatre, all popular musical forms during the Elizabethan and Jacobean periods.

The program, consisting of music for Easter and spring, will include three May Day madrigals, "Lullaby My Sweet Little Baby," and "Hae Dies" by William Byrd, "Bonny Sweet Robin" by Thomas Simpson and "Oh Mistress Mine" from Shakespeare's *Twelfth Night* by Thomas Morley.

Tickets for the performance will be on sale from 9 a.m. to 4 p.m. Monday, April 9, through Wednesday, April 11, at the HUB Booth and Eisenhower Auditorium Box Office. No seats will be reserved.

Black Arts Festival opens

The seventh annual Black Arts Festival will bring a talented array of black artists, performers and speakers to University Park between April 8 and April 24. Theme of the festival will be "Perspectives of the '80s."

The festival will be kicked off Sunday, April 8, with a one-man exhibit and a musical presentation by the Alard String Quartet at 3 p.m. in the Hetzel Union Building Gallery. "The Paintings of Richard Mayhew" will be on hand in the HUB Gallery until April 26. Mr. Mayhew is an assistant professor of art.

Friday, April 13, at 8 p.m. dramatic actress Vinie Burrows will perform her one-man stage show, "Sister! Sister!" in Schwab Auditorium. Under the auspices of the Artists Series, the Arthur Hall Afro-American Dance Ensemble will appear on campus April 19 through 21 to give one performance and two workshops.

Saturday, April 21, at 8 p.m. the University Concert Committee, in conjunction with the Black Arts Festival, will present the Crusaders, a renowned progressive jazz band. The concert will be in Recreation Building. Tickets are \$6.

Poetess Nikki Giovanni will appear Sunday, April 22, at 8 p.m. in Schwab Auditorium. Ms. Giovanni will read from several of her poetry collections, including *Black Feeling/Black Talk* and *Ego Tripping and Other Poems for Young People*.

Julian Bond, a member of the Georgia Legislature and a noted spokesman for civil rights, will deliver the festival's keynote address Tuesday, April 24, at 8 p.m. in Schwab Auditorium. His speech is entitled "Projections for the '80s."

Appearances in Schwab Auditorium by Vinie Burrows, Nikki Giovanni and Julian Bond are free and open to the University community.



Golfer takes advantage of last week's beautiful weather.

Adult Ed head on campus

A coffee hour for Dr. Linda S. Hartsock, executive director of the Adult Education Association of America, will be held from 9:45 to 11 a.m. Friday, April 6, in the Fireside Room of the Nittany Lion Inn.

Dr. Hartsock earned her M.Ed. and D.Ed. at Penn State. She is managing editor of the *Journal of Lifelong Learning* — The Adult Years and adjunct associate professor of adult education at The George Washington University.

Nicaraguan mediator to speak

The Honorable William G. Bowdler, director of the Bureau of Intelligence and Research at the U.S. Department of State, will speak on "Negotiating the Nicaraguan Crisis" at 7:30 p.m. Thursday, April 12, in Room 262 Willard Building.

A former ambassador to El Salvador, Guatemala and South Africa, Mr. Bowdler is a member of a three-man team which has been trying to negotiate a settlement between Nicaraguan President Anastasio Somoza and his opponents. The talk is being sponsored by the Latin American Studies Committee.

Medieval plays to be performed

Penn State's Lutheran Student Parish will perform a series of five Medieval Mystery Passion Plays during Holy Week, from Sunday, April 8, through Thursday, April 12. The plays, taken from 14th century York and Cornwall cycles, will depict Jesus Christ's last week on earth.

The five productions will utilize a total

of 65 actors from the Lutheran ministry on campus and will be performed on a portable wagon bed at different times and locations during the week.

The first play, "Palm Sunday," will be performed April 8 at the following locations and times: Eisenhower Chapel courtyard, 10:30 a.m.; Eisenhower Auditorium plaza, 11:45 a.m.; and East Halls, 12:30 p.m.

On Monday, the second play, "Trial and Condemnation," will be performed at Art Museum Drive at 10:50 a.m. and in front of the Willard Building at 12:25 p.m.

On Tuesday, April 10, "Crucifixion" will be played at Fisher Plaza (east of Kern Graduate Center) at 11:30 a.m. and in front of Osmond Laboratory at 12:30 p.m.

On Wednesday, April 11, the "Harrowing of Hell" will be performed at Fisher Plaza at 11:30 a.m. and in front of Osmond at 12:30 p.m.

The series will be completed Thursday, April 12, with the showing of "The Three Marys" at Art Museum Drive at 10:50 a.m. and in front of Willard at 12:25 p.m.

The plays, ranging in length from 10 to 30 minutes, will be performed in Middle English, modified to be comprehensible to a modern audience.

Crisis response

(Continued from page 1)

vice president for finance and operations; Ralph E. Zilly, vice president for business; George R. Lovette, assistant vice president for business; David E. Sturmer, director of University safety; and William H. McKinnon, assistant vice president, housing and food services.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 12, 1979. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with University Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT TO THE DEAN — OFFICE OF THE DEAN OF ACADEMIC INSTRUCTION FOR COMMONWEALTH CAMPUSES, University Park Responsible to the Dean for developing and conducting studies and analyses of data related to the administration of the Commonwealth Campus system. Consult with campus administration for data on requirements in academic instruction. Develop methods for examining and improving the effectiveness of Commonwealth Campus programs. Manage and coordinate the IBM System 6 information and Mag Card communication system. Master's degree or equivalent in field related to systems analyses and/or computer operations, plus two to four years of directly related experience.

EDITORIAL ASSISTANT — CONTINUING EDUCATION, University Park Responsible for conducting research necessary to obtain background information and materials for the production of programs and/or news releases and special publications, and for maintaining production files. Other duties include the scheduling of meetings, record keeping and typing and composing of routine correspondence. Bachelor's degree in journalism, English or related field, and six to 12 months of directly related experience in television production or news or news release writing is required. An associate degree and one to two years of directly related experience may be substituted for the degree.

PRODUCTION CONTROL SUPERVISOR — MANAGEMENT SERVICES, University Park Responsible to the Manager of Process Control for the supervision of the Production Control and Production Coordinating activities. Supervise and train Production Control and Production Coordinator personnel, assure quality, completeness, and smooth processing of computerized systems, coordinate production control activities with the scheduling section, assure that processing problems are reviewed and investigated, recommend technical solutions to the developers of computerized systems, participate in the review of systems, assure that systems are up to standards before accepting them for production, assure that production controls are maintained. Bachelor's degree or equivalent, plus two to four years of directly related experience in data processing production control activities. Programming and supervisory experience highly desirable.

Black woman

(Continued from page 1)

Massachusetts (Amherst), will speak on "Black Women in U.S. History: Legacies from the Past, Lessons for Today," in a session from 3:30 to 5 p.m.

Capping the day will be a performance of Ms. Burrows' one-man show, "Sister! Sister!," a dramatic portrayal of black women in history, from 8 to 10 p.m. in Schwab Auditorium.

Co-chairpersons for the symposium are Dr. Marylee C. Taylor, assistant professor of sociology at Penn State, James L. Pertine, assistant to the dean for undergraduate studies in Penn State's College of Human Development; and Virginius B. Thornton III, coordinator of the Black Studies Program at Penn State.

Further information may be obtained by writing Mr. Thornton, Room 117 Old Main, University Park, Pa. 16801, or calling him at (814) 865-0458.

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Penn State Intercom

Annual lecture series will honor E.W. Mueller

The first in a new annual series of lectures honoring the late Dr. Erwin W. Mueller, Evan Pugh professor emeritus of physics, will be presented at 7 p.m. Tuesday, April 17, in Room 117 Osmond Laboratory.

Dr. J. Robert Schrieffer, Nobel Laureate in physics, will discuss "Physics in Two and a Half Dimensions," and Dr. Robert Gomer, who helped to develop Dr. Mueller's invention, the field emission microscope, into a quantitative tool, will speak on "Surface Diffusion, or Field Emission Then and Now."

A member of the National Academy of

Sciences, Dr. Schrieffer is Mary Amanda Wood professor of physics at the University of Pennsylvania. He shared the Nobel Prize in physics in 1952 for developing a microscopic theory of superconductivity.

Subsequently, he has contributed to the study of chemisorption, magnetic properties of metals and alloys, and tunnelling through superconductors, and has applied his superconductivity theory to nuclear structural problems.

Dr. Gomer is director of the James Franck Institute and professor of chemistry at the University of Chicago. At a Chicago seminar in 1950, he heard a brief account of Dr. Mueller's work on the field emission microscope. Struck by the simplicity and potential applications of the device, he pursued research which led to use of the invention as a quantitative tool for the study

(Continued on page 2)

New posts for Giusti, Morrill



Dr. Richard L. Morrill, executive assistant to Provost Edward D. Eddy, has been named the 16th president of Salem Academy and College in Winston-Salem, N.C.

Dr. Morrill, 39, will succeed Dr. Merrimon Cunningham, who will retire June 30 after three years as interim president and president of the two women's schools.

An affiliate associate professor of religious studies at the University, Dr. Morrill is particularly interested in the question of ethics and values in higher education, and he has written and spoken widely on these topics.

His appointment was approved April 5 by the Board of Trustees of Salem Academy and College, which was founded in 1772 as a school for young girls. The Trustee Search Committee had received 125 applications and 200 nominations for the post.

Before coming to Penn State in 1977, Dr. Morrill was associate provost and assistant to the President of Chatham College. He began his academic career at Wells College as instructor in the Department of History and Philosophy of Religion in 1967-68. He went to Chatham in 1968 as assistant professor of philosophy and religion and was named associate professor in 1974. He served as associate provost from 1973-77.

A native of Hingham, Mass., Dr. Morrill

(Continued on page 2)



Dr. Joseph P. Giusti has resigned as director of the Beaver Campus to accept the position of chancellor at the Indiana University-Purdue University Campus at Fort Wayne, Ind.

President Oswald said that Dr. Giusti's resignation will become effective June 30. "As the only director in the history of Beaver Campus, Dr. Giusti truly has brought it to its present high level of service to the area and to Pennsylvania," Dr. Oswald noted. "We appreciate his understanding efforts for the campus and for Penn State, and we wish him well in his new position."

The Indiana-Purdue campus has an enrollment of approximately 10,000 full-time undergraduate and graduate students and an equivalent number of part-time students.

Dr. Giusti has been director of the Beaver Campus since its establishment in 1965.

Previously, Dr. Giusti was assistant to the academic vice president at University Park and a member of the faculty.

In his letter of resignation, Dr. Giusti noted that the "people who have served the Beaver Campus with me are a sincere and dedicated team. I am confident that these people will admirably continue the overall mission at Beaver."

"The experience I have gained while with

(Continued on page 2)

News in Brief

Proxmire to speak April 18

Senator William Proxmire (D-Wisconsin) will speak on waste in government and on nuclear energy at 8 p.m. Wednesday, April 18, in Schwab Auditorium.

Senator Proxmire, whose visit is sponsored by Colloquy, is presently chairman of the Committee on Housing and Urban Affairs and alternating chairman of the Joint Economic Committee. A long-time champion of consumer rights, he sponsored the 1968 Truth in Lending Act and the 1970 Fair Credit Reporting Act.

He is perhaps best known for his attacks on government waste and sponsors a monthly "Golden Fleece Award" to the government agency which, in his opinion, has made the most inefficient use of taxpayers' money.

Admission to the talk is free and open to the public.

Diplomat offers Hanoi "view"

"China versus Vietnam: A View from Hanoi" is the topic of a public lecture by Marc Menguy, which will be presented at 8 p.m. Monday, April 16, in Kern Graduate Building.

The Deputy Chief of Mission in the French Embassy in Hanoi from 1976-78, M. Menguy is now a Fellow at the Center for International Affairs at Harvard University.

His talk is being sponsored by the Asian Area Non-Major Options and the Southeast Asia Studies Committee.

Nobel Laureate Blumberg to deliver Stone Seminar

Dr. Baruch S. Blumberg, Nobel Laureate in Medicine and Physiology, will offer the 1979 R. W. Stone Seminar at 4 p.m.

Monday, April 16, in Room 112 Kern Building.

He will discuss "The Hepatitis B Virus and Its Environment." The lecture, sponsored by the Department of Microbiology and Cell Biology, is open to the public.

Dr. Blumberg shared the Nobel Prize in 1976 with Dr. D. Carlton Gajdusek for their independent discoveries "concerning new mechanisms for the origins and dissemination of infectious disease." Dr.

(Continued on page 4)

Course numbering, GPA, and student evaluations are debated by Senators

In response to a question from the Commonwealth Campus Caucus senators, President Oswald told the Senate at its April 3 meeting that there will be "broad consultation" on the ramifications arising from any change in the relationship between Continuing Education and the Campuses.

Consideration is being given to the possible merger of administrative responsibility of these two units.

"To be absolutely certain that the academic community in its totality was aware that this had been a potential change considered by the Steering Committee of the Plan for the '80s, it was publicly announced to the Trustees at their March 23-24 meeting," the President said.

He noted that the Faculty Advisory Committee was being consulted, as well as the Commonwealth Campus directors, the Council of Academic Deans, and appropriate Senate committees.

"Let me assure you there is going to be broad consultation before any action is taken," the President continued.

Dr. Oswald also outlined for the Senate

the steps which the University had taken to prepare to be of assistance in the event of a potential disaster at the Three Mile Island atomic plant.

He noted that for the first time the Pennsylvania Senate's Appropriation Committee would hold hearings on the University's budget request at University Park. The hearings are scheduled for April 11.

Several senators raised questions about the transfer of associate degree credits after listening to a report from the Subcommittee to Review 800 vs Baccalaureate Courses.

Commonwealth Campus senators pointed out that while University Park will not accept associate degree credits in baccalaureate programs, associate degree students have gone on to such institutions as Purdue and Oregon and received baccalaureate credits there for their work.

President Oswald noted that the problem with credits had recently been raised by him by the President of Bucks County Community College.

Warren Hafner, director of the Division

of Admissions, Records and Scheduling, responded that the University's position has been that "if we can determine that a course is purely an occupational or terminal program course similar to our associate degree 800 level courses, it will not be transferable. One of the problems," he continued, "is with the labeling of courses at other institutions. Very often, it is hard to read through the catalog and the student's transcript and decide if the course work applies to both the baccalaureate and associate degree programs."

Noting that there has been a tendency at Penn State to evaluate courses in terms of labels or numbers rather than on the basis of the actual course content, Dr. Stanley O. Ikenberry, senior vice president for administration, urged the subcommittee to look carefully at the course numbering practices of other institutions.

"I think that on examination you will find our practice to be highly unusual," Dr. Ikenberry said. "Even if it has solved some problems in the past, it is now causing as many problems as it solves. And in the

future, when we may well be very anxious to have community college students transfer to Penn State in our upper divisions and also to hold on to qualified associate degree students and urge them to continue, we may be troubled by what appear to be pretty arbitrary and capricious barriers."

The suggestion that the committee survey course labeling employed by other institutions was seconded by Dr. Oswald.

Senators also debated at considerable length and then returned to committee two legislative reports from the Committee on Undergraduate Instruction.

The first report proposed a change in Policy 82-40, the cumulative grade-point average requirement. The Senate first adopted an amendment to the report proposed by Thomas E. Daubert. The item as amended read:

"In addition, baccalaureate degree candidates, subject to the regulations of the major, may be required to earn at least a C (2.00) cumulative average in any set of courses specified by the major and

(Continued on page 2)

Penn Staters



Dr. George P. Barron Jr., who since 1969 has been director of the Pesticide Research Laboratory and Graduate Study Center and assistant to the vice president for research and graduate studies, retired April 1 with the rank of professor emeritus.

Dr. Barron, professor of nutrition and food safety, joined the faculty in 1948 as an instructor in animal nutrition. A native of Iowa, Tex., he received his B.S. in biology and M.S. in biochemistry and nutrition from Texas A&M University, A.U.S. Navy veteran of World War II, he earned a Ph.D. in animal nutrition at Penn State in 1953.

From 1963-68, he headed the Department of Foods and Nutrition in the then College of Home Economics. Dr. Barron took a leave of absence from the University in 1972 to serve as executive secretary of the Nutrition Study Section of the National Institutes of Health.

Dr. Barron has served as a consultant for the U.S. Department of Agriculture and participated in the planning of a long-range national program of nutrition research in agriculture. He was also chairman of a statewide steering committee charged with organizing a State Nutrition Committee, with the responsibility of promoting "nutrition education for all persons in the Commonwealth, with special emphasis on nutrition for low-income families."

For his retirement, Dr. Barron plans to return to Texas, where he has a sister, two children and a grandson.

John Balaban, associate professor of English, has been awarded a Fulbright Distinguished Visiting Professorship to Romania, where he will give a series of eight readings from a book of his poetry which has been published in Romania by the Dacia Press. His visit will be for one month at the beginning of the summer.

Dr. Kenneth D. Frandsen, professor of speech communication, is serving as a visiting distinguished professor in the School of Interpersonal Communication at Ohio University during the current Spring Term. Dr. Frandsen is teaching "Introduction to Communication Processes" to undergraduates, conducting a seminar in "Information: Theory and Research" for graduate students, and advising graduate students engaged in research at Ohio University.

Marlowe Froke, director, Division of Media and Learning Resources in Continuing Education, has been elected second vice president of the Pennsylvania Association for Adult and Continuing Education. Second vice president is the organization's highest elective office since the occupant moves in succeeding years to the positions of first vice president and president of the association.

Dr. H.R. Hardy Jr., director of the rock mechanics laboratory and professor of mining engineering, recently presented a number of invited lectures in West Germany. He discussed current research at Penn State on the design of salt cavities for underground storage, as well as microseismic monitoring of the structural stability of underground storage facilities.

Dr. Robert Naismith, associate professor of biology at Worthington Scranton, presented a seminar at Lehigh University this week on "Genetic Toxicology and Drug Development."

A book by **Dr. Parris Chang**, professor of political science, has been selected by the journal *Asia Mail* as one of the 10 best books on Asia published by an American author during 1978. Dr. Chang's book, *Power and Policy in China, Second Enlarged Edition*, was published by the Penn State Press.

Dr. B. Lakshminarayana, professor of aerospace engineering, has been appointed to the editorial board of a new international quarterly journal, *Thermal Engineering*, which will be published under the auspices of the Indian Society of Mechanical Engineers.

Bookshelf

Two speech communication faculty members, **Prof. Gerald M. Phillips** and **Douglas J. Pedersen**, an associate professor, have co-authored (with Julia T. Wood of the University of North Carolina) a book, *Group Discussion: A Practical Guide to Participation and Leadership*, published by Houghton Mifflin.

The book offers practical guidelines to persons trying to solve problems through group discussions. The authors recognize two characteristics of an effective group discussion participant — knowledge of what is required to organize discussions and awareness of the choices open to members and leaders during a discussion.

The authors emphasize that whenever groups deal with important problems, private concerns must be subordinated to the collective goal of solution finding. They also emphasize that conflicts are to be expected when groups engage in problem-solving and suggest ways to use these conflicts creatively.

The book is intended for anyone serving on a board, committee or task force, or it can be used as a textbook. The authors have prepared an instructor's manual to accompany the text.

Obituary

Paul J. Reber, an associate professor of engineering from 1926 to 1958, died March 27. He was born Aug. 9, 1892, in Lehigh, Pa.

Mueller lecture

(Continued from page 1)
of adsorption, desorption, and surface diffusion.

Dr. Gomer has collaborated with Dr. Schrieffer on the study of chemisorption and has also contributed to the understanding of field ionization, field desorption, electron impact desorption and half-cell electrochemical forces.

Dr. Mueller, the first person to "see" an atom, was a member of the Penn State physics faculty from 1952 until his death in 1977. His field ion microscope provided the first clear view of crystals on an atomic scale, showing the individual atoms and their arrangements on the surface. He also invented the atom probe field ion microscope, an instrument which can focus on a single atom in a crystal surface, separate it from the surrounding atoms and identify it by its mass. The atom probe is still the most sensitive microanalytical tool ever devised.

Dr. Mueller's achievements were recognized with numerous honors, including his country's highest science prize, the National Medal of Science. He was elected to membership in the National Academy of Sciences and the National Academy of Engineering.

The E.W. Mueller Memorial Lectures were established with contributions from faculty members and alumni of the University and from the Edmund Scientific Co., Plummer Precision Optics, and Welch Allyn Inc.

Senate

(Continued from page 1)

designated under the requirements of the major in the baccalaureate degree programs catalog as requirements of the major. In such cases this will be indicated in the catalog and all students in the major will be informed of the regulation when entering the major. A check of progress in fulfilling this requirement will be made together with the audit of unfulfilled requirements (Policy 32-80)."

College of Engineering faculty argued that they would like to be able to specify to which courses under requirements for the major the 2.00 average would apply instead of having it apply to all courses under requirements for the major.

Several senators said they thought this proposal was unnecessary since program faculties could ask for more restrictive requirements by applying to the Senate Committee on Retention and Transfer.

The Senate finally decided to ask the Committee on Undergraduate Instruction to restate the proposal, along with a legislative report it had submitted on student evaluations of instruction.

Dr. James B. Bartoo of the Graduate School made a number of suggestions and urged that student evaluations be sought not only from students distributed in classes but also from such sources as exit interviews and in actual meetings with students.

"The idea has gotten abroad concerning student evaluations that more is better," Dr. Richard G. Cunningham, vice president for research and graduate studies, commented. Dr. Cunningham said he has seen

questionnaires containing as many as 50 to 100 questions for students to fill out.

"The use of computers to score the data has led to this," Dr. Cunningham suggested, adding that some stipulation should be made that questionnaires not exceed a page in length.

President Oswald told the Senate that during the last three years a vast improvement has occurred in the quality of student evaluations.

"I would suggest," the President said, that these guidelines be presented to the various academic units as advisory rather than being adopted. I say this because we cannot separate the end result of these evaluations from PS-23."

In legislative action, the Senate amended its *Standing Rules* to avoid potential "conflict of interest" situations related to multiple committee memberships. It also amended its *Bylaws* to redefine the number of meetings a Senator can miss.

Giusti

(Continued from page 1)

Penn State has been invaluable," he added. "I hope my service has in some way helped to express my appreciation to all concerned."

A native of Harrisburg, he received his B.A. in English literature from Villanova University and both his M.S. in business administration and Ed.D. in higher education administration from Penn State.

An associate professor of education, he has conducted research on high school curricula which helps predict student success in college.

As chief administrative officer at the 94-acre Beaver Campus, he has presided over its growth to its present level — the fourth largest of 17 Penn State Commonwealth Campuses.

Dr. Giusti has been awarded a number of honors and citations, including the Jaycees' Distinguished Service Award in 1971, the Civic Improvement League of Beaver County Award in 1972 and the Trustee Award from the Community College of Beaver County in 1972. In 1974, the Beaver Campus Advisory Board honored him with its Distinguished Service Award.

He is a past president of the Pennsylvania Association of Two-Year Colleges, Chairman of the Beaver County Council of Higher Learning, and a member of the Advisory Committee of the Education Management Information Systems of the Commonwealth of Pennsylvania.

Director sought for Information Systems

The Vice President for Undergraduate Studies and the Dean of Admissions seek nominations and applications for the position of Director of Academic Information Systems.

The successful applicant will be responsible to the Vice President for Undergraduate Studies for the planning and designing of information systems and subsystems necessary to support academic decision-making relating to institutional planning and programming, curriculum review, student records, registration and scheduling and for the design and implementation of an administrative information reporting system spanning the colleges and campuses utilized in the academic management of resident instruction programs.

The position is also responsible to the Dean of Admissions for coordination of design and implementation of systems which are essential to an effective recruitment and admissions program, both for the reporting and analysis of records limited to admission applications per se, and also for identification and tracking of prospective applicants — those who are still considered "external" to the University.

An earned doctorate is preferred. A master's degree in a substantive, quantitative area is required. Six to eight years of experience in planning information systems work related to administration and management of academic programs within a major, multi-campus university is highly desirable.

Send nominations or applications to Dr. R.E. Dunham, vice president for undergraduate studies, Room 117 Old Main, Department I, University Park, PA 16802. Applications will be accepted until April 30, 1979.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by filing the Employment Division, 665-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 9, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

SENIOR ANALYST/PROGRAMMER — UNIVERSITY LIBRARIES, University Park Responsible to the Assistant Head, Systems Development, for on-going activities associated with resolution of data processing problems. Confer with appropriate personnel to define and formulate statements of problems; devise solutions, preparing flowcharts and system specifications; assist in flowchart preparation and data base structure definition. Analyze existing system and program logic, recommend and make revisions as assigned. Design detailed flowcharts, verify program logic with test data, adjust programs as indicated. Other duties as assigned. Bachelor of science degree in computer science, plus three to four years of directly related experience in computer programming and analysis.

FINANCIAL AID COORDINATOR — STUDENT AFFAIRS, University Park Responsible to the Director of Student Aid for the development and maintenance of effective fiscal controls for all federal, state, private and institutional aid. Responsible for supervising the Basic Grants Program and counseling students on financial matters. Position will assist in the program administration of all aid sources. Requirements include master's degree, prior basic student personnel, higher education, social sciences or equivalent, plus 10 to four years of directly related experience in student personnel, student aid, or other related areas.

Morrill

(Continued from page 1)

graduated in 1961 from Brown University where he received a B.A. magna cum laude in history, was elected to Phi Beta Kappa, and held a Woodrow Wilson Fellowship.

From 1961 to 1964, he studied at Yale, qualifying for the B.D. degree in religious thought. He received the Tze Ping Prize for Excellence in Studies. His Ph.D. was conferred in 1967 by Duke University where he held the James B. Duke Fellowship, the highest award of the Duke University Graduate School. He also is a graduate of the Summer Institute for Education Management of Harvard University, a six-week program at the Harvard Business School in general and academic administration.

University Park Calendar

April 12-22

Special Events

Thursday, April 12

Sports: men's volleyball, vs. East Stroudsburg, 7 p.m.
 Black Studies Spring Symposium. Roundtable discussion, "Triple Jeopardy: The Intersection of Race, Sex and Class," 7:30 p.m., HUB North Lounge.
 Latin American Studies Lecture, 7:30 p.m., Room 262 Willard. William G. Bowdler, U.S. State Department, on "Negotiating the Nicaragua Crisis."
 Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, April 13

Deadline to sign up for University garden plot, Room 305 Kern.
 Black Studies Spring Symposium. "The Role of Black Women in Politics," 10 a.m.; "Black Women and the Media," 12:30 p.m.; "Militant Black Women in U.S. History," 3:30 p.m., all HUB North Lounge.
 France-Cinema, *Cat and Mouse*, 7 and 9 p.m., Room 112 Kern. Also April 14.
 Vine Burrows in "Sister, Sister," a dramatic portrayal of black women in history, 8 p.m., Schwab.

Saturday, April 14

Stone Valley Lake opens for boat rentals and fishing.
 Sports: women's track, vs. Maryland; softball, vs. Ithaca (2), 1 p.m.; women's lacrosse, vs. I.M. Marsh, 2 p.m.; men's lacrosse, vs. Drexel, 7 p.m.; men's volleyball, vs. Springfield, 7 p.m.

Sunday, April 15

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. All-Faith Choir Easter Service, Tommie Irwin, director.

Monday, April 16

The American Metamorphosis series, Kern lobby. Film: *The Western Hero*, 1:30 a.m.; Emily Toth, English, "Female Heroes," 12 noon. Dept. of Microbiology and Cell Biology, R.W. Stone Seminar, 4 p.m., Room 112 Kern. Baruch S. Blumberg, Nobel Laureate, The Institute of Cancer Research, Philadelphia, on "The Hepatitis B Virus and Its Environment."

Shakespeare film, *Hamlet* (Oliver), 6:30 p.m., Room 101 Chambers.

Color Slide meeting, 7:30 p.m., Room 112 Kern.

Asian Area Non-Major Options and the Southeast Asia Studies Committee Lecture, 8 p.m., Kern. Mark Menguy, Harvard, on "China versus Vietnam: A View from Hanoi."

Deborah Jones, double bass recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 17

The American Metamorphosis series, Kern lobby. Film: *Black History: Lost, Stolen or Strayed*, 12 noon, Virginia Queen and Larry Gabriel, "Black Perspectives," 1 p.m.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. John Balaban, English & comparative lit., on "The Clever Vietnamese: The Pleasures of Intricate Verse."

Sports: softball, vs. East Stroudsburg (2), 2 p.m.; women's lacrosse, vs. Slippery Rock, 3 p.m.

Erwin W. Mueller Memorial Lecture, 7 p.m., Room 117 Osmond. J. Robert Schrieffer, Nobel Laureate, Univ. of Pa., on "Physics in Two and a Half Dimensions," and Robert Gomer, Univ. of Chicago, on "Surface Diffusion or of Field Emission Then and Now."

Comp. Lit. Film Series, *Why Does Herr R. Run Amok?*, 7 and 9 p.m., Room 112 Kern.

English Colloquium, 8 p.m., Room 101 Kern.

Jeanne D. Fahnstok, English, on "What's in a Name? Phylogeny and Conventions of Heroine Descriptions in 19th Century Fiction."

Wednesday, April 18

Faculty Women's Club Spring Luncheon and Fashion Show, 11:30 a.m., HUB Ballroom.

The American Metamorphosis series, Kern lobby. Jerry Zolten, "The Sixties," 12 noon.

Sports: baseball, vs. West Virginia (2), 1:30 p.m.

Recital Hall. Spring Quartet, 8:30 p.m., Music Bldg.

Colloquy presents Senator William Proxmire (D-Wisconsin), speaking on waste in government and nuclear energy, 8 p.m., Schwab.



April 17, Nobel Laureate J. Robert Schrieffer, left, and Chicago professor Robert Gomer, center, will deliver the first Erwin W. Mueller Lectures. Nobel Laureate Baruch Blumberg will present the R.W. Stone Seminar on April 16.

Thursday, April 19

Deadline for Summer Term reserve reading lists, Room W11 Pattee.
 College of Business Career Day, 8 a.m.-5 p.m., HUB.

The American Metamorphosis series, Kern lobby. Film: *Superfuous People*, 1 p.m.

Sports: women's lacrosse, vs. Lock Haven, 3 p.m.

Black Arts Festival, Arthur Hall Afro-American Dance Ensemble, dance workshop, 3 p.m., Robeson Cultural Center.

Candlelight Dinner, "Spring Is A-Coming," 4:45-6:45 p.m., HUB Terrace Room. Also April 20.

Sigma Xi annual initiation, 7:30 p.m., Room 112 Kern.

Air Force ROTC Public Lecture, 8 p.m., Room 105 Forum. Charles C. Moskos Jr., sociology, Northwestern Univ., on "The All-Volunteer Armed Forces After Six Years."

Naiads Show, synchronized swimming, 8 p.m., Natatorium. Also April 20 and 21.

Friday, April 20

Sports: men's tennis, vs. Eastern Michigan, Kent State and Bowling Green, through April 21.

The American Metamorphosis series, Kern lobby. Film: *Harvest of Shame*, 12 noon.

SFO film, *The Godfather*, 7 and 10 p.m., Room 102 Forum.

Japanese Lang. and Lit. Program series, 7:30 and 9:30 p.m., HUB Assembly Hall. Feature film by A. Kurosawa, *Rashomon*, Free.

Interludio, Israeli Dance Workshop, with Ya'acov Eden, guest teacher, 7:30-11 p.m., Room 132 White, through April 22.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Arthur Hall Afro-American Dance Company, 8:30 p.m., Eisenhower Auditorium.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 21

Stone Valley Lake opens for sailboat rentals.

Phi Psi 500, 11 a.m., downtown.

Sports: men's golf, vs. Alumni, 1 p.m.; Commonwealth Campus swimming and diving championships, 2-5 p.m., Natatorium; soccer, vs. Lehigh, 1 p.m.

Camera Day, photos and autographs of 1979 football team, 1 p.m.; intra-squad scrimmage, 2 p.m., Beaver Stadium.

Shaver's Creek Nature Center, 1:30-4 p.m.

"Attracting Wildlife to Your Backyard"

Penn State Model Railroad Club Auction of all modern railroad paraphernalia, 10:30-12:30 registration, 1 p.m. auction begins, Room 225 HUB.

Black Arts Festival, Arthur Hall Afro-American Dance Ensemble, dance workshop, 1 p.m., Eisenhower Auditorium.

UCC/Black Arts Festival, Crusaders, progressive jazz band, 8 p.m., Rec Hall.

Sunday, April 22

University Chapel Service, 11 a.m., Eisenhower Chapel. William Lazareth, Div. for Mission in North America, Lutheran Church, speaker.

Blue Band Concert, 3 p.m., Eisenhower Auditorium.

Black Arts Festival, Nikki Giovanni, poetess, reads from her works, 8 p.m., Schwab. Free.

Tom Kennedy, flute and piccolo, 8:30 p.m., Music Bldg. Recital Hall.

Spring Week Activities: Mt. Nittany Climb, Penn State Outing Club, 9 a.m. Free U. Day, 11 a.m.-6 p.m., HUB & HUB lawn. Artists in Residence, 11 a.m.-6 p.m., HUB.

Seminars

Friday, April 13

Analytical Chemistry, S.J. Ankabrandt, graduate student, on "Electrochemistry of Thiosulfate," 11:10 a.m., Room 333 Whitmore.

Monday, April 16

Biochemistry and Biophysics, William Studier, Brookhaven National Laboratory, on "Gene Expression in Bacteria Infected with Phage T7," 3:55 p.m., Room 101 Althouse.

Genetics, Donald Weed, graduate student, on "Organic DNA Restriction Analysis," 3:55 p.m., Room 111 Tyson.

Entomology, Ronald Sninner, North Carolina State Univ., on "Modeling Insect Populations for Pest Management," 4 p.m., Room 8 Mueller.

Tuesday, April 17

Plant Pathology, Ali Hamid, graduate student, on "Cultural Control of Root Diseases of Plantation Crops," 9:45 a.m., Room 213 Backhout.

Electrical Engineering, Joseph R. Monkowski, Univ. of Nijmegen, Netherlands, on "The Role of Chlorine in Silicon Oxidation for Integrated Circuit Technology," 11 a.m., Room 329 EEE.

Biology, James J. Murray, Jr., Univ. of Virginia, Charlottesville, on "Speciation in the Land-snails of the genus *Parula* from Moorea," 11:10 a.m., Room 112 Backhout.

Solid Waste Management, Frank Aplan, mineral processing, on "Application of Mineral Processing Technology for Resource Recovery of Municipal Solid Waste," 2:20 p.m., Room 62 Willard.

History, George M. Enten, history, on "History and the Social Sciences: Emerging Patterns," 2:30 p.m., Room 124 Sparks.

Agriculture, Henry R. Fortmann, Northeast Regional Coordinator, State Agricultural Experiment Stations, on "Prospects for Agricultural Research Funding," 3:30 p.m., HUB Assembly Room.

Geosciences, Allen F. Agnew, Congressional Research Service, Library of Congress, on "Illusions — The Congressional Process and the Geologist," 3:45 p.m., Room 22 Deike.

Mathematics, Wu-Chung Hsiang, Princeton Univ., on "The Asymptotic Set of a Holomorphic Function," 4 p.m., Room 115 McAllister.

Engineering Science and Mechanics, Norman Davids, emeritus professor, on "Application of Microprocessors in the Laboratory," 4 p.m., Room 232 Hammond.

Chemistry, John Hallgren, General Electric Co., on "Reactions of Carbon Monoxide and Phenols Promoted by Palladium Complexes," 8 p.m., Room 333 Whitmore.

Thursday, April 19

Ceramic Science, Lisa C. Klein, Rutgers Univ., on "Sealing Glasses for the Sodium-Sulfur Battery," 11 a.m., Room 301 Steidle.

Chemistry, Charles D. Poulter, Univ. of Utah, on "Farnesyl Pyrophosphate Synthase: A Kinetic Study," 12:45 p.m., Room 333 Whitmore.

Physics, Charles Bean, General Electric, on "Magnetic Bacteria," 3:30 p.m., Room 117 Osmond.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Meteorology, Peter Taylor, Atmospheric Environment Service, on "Wakes and Drag in the Planetary Boundary Layer," 3:55 p.m., Room 112 Walker.

Astronomy, Edward F. Guinan, Villanova Univ., on "Photometric Analysis of Cygnus X-1," 4 p.m., Room 445 Davey.

Ecology/Entomology, George W. Uetz, Univ. of Cincinnati, on "Courtship Behavior and Reproductive Isolation in Wolf Spiders," 4 p.m., Room 8 Mueller.

HPER, John T. Powell, Univ. of Guelph-Ontario, on "Sport Teaching as a Science: Sport Teaching as an Art," 7 p.m., Room 104 White.

Friday, April 20

Analytical Chemistry, R. Potenzon, Case Western Reserve Univ., on "Molecular Mechanics in Structure Analysis Studies," 11:10 a.m., Room 333 Whitmore.

Exhibits

HUB Galleries: Leon Yost, photographs, through April 14; Slavik Folk Art, Ukrainian Club Art, through April 30; Dottie Toomey, pastels, opens April 16; Richard Mayhew, paintings, through April 26.

Kern Commons Gallery: Sylvia Rogers, "Patchwork," weavings and needlepoint, through April 21; BFA/MFA Printmaking International, through April 17; American Drawings II, original drawings by some of America's leading artists, through May 1.

Photo/Graphics: printmakers using photography techniques in their work, through April 28.

Museum of Art: Contemporary Japanese Pottery, through April 15; Chinese paintings and mounted rocks, through May 6; French works, and contemporary and antique ceramics from the permanent collection, through April 15; Alumni Gifts 1972-1979, opens April 14; European works from the permanent collection, opens April 17.

Pattee Library: Sculpture by Harold Van Houten, through April 16; East Corridor Gallery, photography by Steven Williams, through April 14; Lending Services Lobby; Margaret Sanger exhibit, through April 23, main lobby.

Zoller Gallery: Eleanor Zygler, "Close Encounters of the Natural Kind," paintings, through April 15; Graduate Theses Exhibitions, opens April 20.

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Introduction: Penn State's 1979-80 Appropriation Request

Editor's note: This is the first in a several part series setting forth the University's request as presented by President Oswald to the House and Senate Appropriations Committees.

In September, 1978, Penn State submitted an appropriation request to the State for 1979-80 in the amount of \$130,156,000. This request addresses only the most urgent financial needs of the University, and represents an overall increase in the University's General Funds budget (State appropriation plus tuition income) of 7.0 percent for inflationary cost increases. Trends in the general rate of inflation since that time indicate that this estimate of inflationary pressure clearly is conservative.

The General Funds budget supports the University's programs of teaching, research, and public service throughout the State. Revenues are derived almost entirely from State appropriations and student tuition charges. For 1978-79, Penn State's General Funds budget is \$220,780,000.

The University's total operating budget of \$387,000,000 includes other programs for which no State or tuition funds are used, such as auxiliary enterprises, sponsored research supported by Federal, State, and private grants and contracts, and the Teaching Hospital. Auxiliary enterprises are activities which are completely self-supporting, including student housing and food services, intercollegiate athletics, bookstore and commons operations. Sponsored grants and contracts help Penn State respond directly to the social, economic, and technological development of the State, but are restricted for the particular use specified by the grantor. Finally, although the Teaching Hospital receives no State financial support (it being fully self-supporting), it provides high quality health care, and has become a vital resource for the entire State.

Fundamentally, the \$220 million General Funds budget represents the total request of the University which supports our basic educational programs. It is from this budget that our basic expenditures for faculty and staff salaries, supplies and equipment, and maintenance are made. It is in this area that we need increased support from the Commonwealth.

Penn State's 1979-80 appropriation request was based on the following general principles:

1. No significant change in enrollment or in the mix of the types of students is anticipated. Applications for admission to Penn State for 1979-80 are five percent above the numbers at this time last year. We do not anticipate an enrollment increase, but neither do we expect an enrollment falloff.
2. The primary emphasis of the request is placed on provisions to cope with continued inflation. It includes increases for fuel and utilities costs,

Table 1
SUMMARY OF PROPOSED APPROPRIATION REQUEST
FOR 1979-80

	Total Except Medical Education	Medical Education	Grand Total
1. Total 1978-79 Appropriation Base	\$109,085,000	\$2,896,000	\$111,981,000
REQUESTED INCREASES:			
2. Inflationary Cost Increases*	\$ 14,700,000	\$1,055,000	\$ 15,755,000
3. New Facilities —			
Maintenance and Operations	296,000	—	296,000
4. Student Aid	324,000	—	324,000
5. Restoration of Essential Budget Provisions:			
a. Library Acquisitions	500,000	100,000	600,000
b. Academic Equipment Replacement	500,000	100,000	600,000
6. Mandated Renovations — Physical Compliance Requirements	500,000	100,000	600,000
7. Total Appropriation Increase Requested	\$ 16,820,000	\$1,355,000	\$ 18,175,000
8. Total Appropriation Requested (Sept., 1978) (Line 1 plus Line 7)	\$125,905,000	\$4,251,000	\$130,156,000
9. Governor's 1979-80 Budget Recommendation	\$114,452,000	\$2,896,000	\$117,348,000

*Includes salaries, fringe benefits, fuel and utilities, supplies and services cost increases. Represents 7.0 percent of the 1978-79 General Funds Budget.

Supplemental Appropriations Requested:

Cooperative Extension Service	\$1,000,000
Agricultural Research	100,000
	\$1,100,000

mandated fringe benefits cost increases such as Social Security base and rate changes, and the costs of salary adjustments for employees as well as supplies and services.

3. Apart from meeting inflation, this request has the major goal of avoiding a further increase in tuition. We have been increasingly concerned that we may be pricing a Penn State education out of the reach of Pennsylvania students from low and middle income families. This is a contradiction of our charter as a Land-Grant university and a matter of real concern. Thus, the request expressed the hope that this year it might be possible for the State to pick up the burden of inflation and permit students and their families to avoid further increases.

4. A small amount of funds is requested for restoration of essential budget provisions for academic equipment replacement and for library acquisitions, which are critical needs for the future of the institution. In addition, the costs of renovations for physical compliance requirements mandated by State and Federal regulations have been escalating rapidly, and provisions for these costs are not available

within the current budget. Funds are requested to cover partially the cost of these physical compliance requirements.

5. The State student aid appropriation, which is used to assist Penn State students whose needs are not met through other loan and grant programs, has not changed since 1973-74. During this same period, tuition has increased by 52 percent, and the number of students filing for University student aid has risen by 86 percent. An increase in this appropriation is requested to offset partially the erosion of University student aid funds which has occurred as tuition has increased.
6. Penn State's request contains an urgent plea that the per capita appropriation for medical education be increased from the current \$7,465 to \$10,956. Under the current budget recommendation, 1979-80 would be the eighth consecutive year without a change in the per capita appropriation, despite the rapid decline of the purchasing power of these funds. Since our appropriation request was developed last summer, a special problem has surfaced with regard to the Cooperative Extension Service.

Cooperative Extension faces the clear prospect of a net operating deficit of almost \$1,000,000 in 1979-80, even with the Governor's recommended five percent appropriation increase. This would necessitate the elimination of an estimated additional 65 professional positions. In order to avoid the disruption to county extension programs that would result, and to sustain essential services, the University respectfully requests consideration of a supplemental appropriation of \$1,000,000 for Cooperative Extension for 1979-80. In addition, a supplement of \$100,000 for the Agricultural Experiment Station is requested to enable the University to continue the Basic Soils Inventory Program which has been funded under contract with the Department of Environmental Resources since 1971, but which has now been eliminated from the Department's budget. Provision should be made to continue this important program.

The University's 1979-80 appropriation request, summarized in Table 1, represents a "hold the line" budget. No additional funds are requested for any new programs. Any improvement in the quality of Penn State's programs and services must come from funds made available through internal reallocations. Rather, it is an attempt to hold our own against the pressures of inflation and to halt the continued deterioration of the State's largest and most comprehensive institution of higher learning. It represents a conservatively estimated 7.0 percent increase for inflationary costs in the General Funds budget which is supported by the State and by the students. The request to the State is slightly over 15 percent primarily because of our overriding desire to halt tuition increases to a minimum. Salary increments are included in line with Federal guidelines and increments anticipated for employees in other institutions and agencies throughout the State.

Financial stringency continues to be the most difficult problem faced by Penn State. State appropriations amounts have not kept pace with inflation. Although Penn State has effected over \$18.7 million in internal budget cutbacks and reallocations over the last eight years, the University still has been forced to escalate sharply tuition charges to students and their families. The quality of programs and services offered by Penn State is being threatened.

Penn State recognizes the serious financial problems facing the Commonwealth. Difficult priority decisions have been and must be made. Within these difficult choices, it is important that a rational and equitable approach to funding of higher education be developed to make sure that the students attending Penn State and other public institutions receive quality educational programs at an affordable cost.

News in brief

(Continued from page 1)

Blumberg studied various types of blood serum in an attempt to determine why people of different ethnic and family backgrounds varied widely in their reaction to disease.

He discovered the "Australian antigen," which he determined was part of the virus that causes the most severe form of hepatitis. The isolation of this antigen has allowed scientists to screen blood donors for possible hepatitis transmission and has been instrumental in the development of an experimental hepatitis vaccine.

Dr. Blumberg, a member of the National Academy of Sciences, is associate director of clinical research and a senior member of the Institute for Cancer Research in Philadelphia. He also serves as professor of medicine and professor of anthropology at the University of Pennsylvania.

A native of New York City, he was graduated from Union College in Schenectady, received an M.D. degree in 1951 from Columbia University's College of Physicians and Surgeons and a Ph.D. in physical biochemistry in 1957 from Oxford University.

The Stone Lectures honor Dr. Robert W. Stone, professor emeritus of bacteriology and former head of the Department of Microbiology at the University. They were established in 1973 and are supported by a fund contributed by alumni of the Department.

Special Easter buffet at Inn

The Nittany Lion Inn is planning a special Easter Buffet from 12:30 to 2:30 p.m. and

from 6 to 8 p.m. on Sunday, April 15.

The menu features top round of beef, seafood newburg, baked ham with brandy sauce, baked chicken coq au vin, steamed shrimp in the shell, and baked kolbasi and sauerkraut.

There will also be a wide array of salads, cheeses, and desserts, and Chef Richard Jackson is preparing specially decorated centerpieces for the occasion. The dinner is available at \$6.75 for adults and \$3.50 for children under 12.

Volunteer services lecture topic

Dr. Charles C. Moskos Jr. of Northwestern University will speak on "The All-Volunteer Armed Forces after Six Years" at 8 p.m., Thursday, April 19, in Room 105 Forum Building.

Dr. Moskos, an authority on military sociology, has conducted field research in several areas, including nationalism in the British West Indies; the American soldier in Germany, Korea, Vietnam and the Dominican Republic; United Nations peace-keeping forces in Cyprus; the military in America; and the all-volunteer force.

Alard concert April 18

The Alard String Quartet, the University's quartet-in-residence, will play in concert at 8:30 p.m. Wednesday, April 18, in the Music Building Recital Hall.

Schumann's Quartet in A minor, op. 1, No. 1 and Hindemith's Quartet No. 3, op. 22 are included in the program. The quartet will also perform Franz's Piano Quintet in B flat minor with pianist Steven Smith, associate professor of music.



From left: Ruth Holden, G.G. Nicholson, and Paul Barton.

Three Alumni Fellows to visit next week

Three Alumni Fellows will return to the University Fall Campus next week.

Inventor-educator Ruth Johnson Holden, executive G.G. Nicholson, and geologist Paul Barton will share their professional expertise with students, faculty and administrators as they meet in formal and informal settings.

Since her graduation from the College of Education in 1959, Ruth Holden has enjoyed a career as an inventor, educator and international marketing director.

In 1964, she invented and patented Automatic Speech Playback for speech therapy. In 1965 she invented the portable Phonic Mirror for stutterers. In 1968 she invented the first Federal Communications Commission approved FM Phonic Ear, to aid the deaf. She also has been nominated as a Distinguished Alumna of the University this year.

G.G. Nicholson graduated from the College of the Liberal Arts with her B.A. in

psychology in 1945. In 1947 she received a law degree from Columbia University and joined the staff of Macy's department store.

Since 1963, Mrs. Nicholson has held her present position of vice president. In this post she is responsible for all non-executive personnel and labor relations. She was named a Distinguished Alumna in 1969.

Dr. Paul Barton, a 1952 graduate of the College of Earth and Mineral Sciences, is a geologist with the U.S. Geological Survey and a member of the National Academy of Sciences.

Dr. Barton received his doctorate from Columbia University in 1955. A newly discovered mineral, a potassium iron sulfide, was named baritone in his honor.

Mrs. Holden will be on campus April 17-20. Mrs. Nicholson and Dr. Barton will be here April 18-20. They are among six Alumni Fellows who will visit Penn State this spring.

Penn State Intercom



Coming attractions for the 1979-80 season include, from left, Beaux Arts Trio, Royal Winnipeg Ballet and Pinchas Zukerman.

Artists Series adds Drama program to its 1979-80 events

A new Drama Series has been added to the programs sponsored by the Artists Series for its 1979-80 season.

Estelle Parsons will open the new series on Sept. 23 with her controversial and powerful drama, *Miss Margarita's Way*.

One of the world's leading violinists, Pinchas Zukerman, is scheduled to appear Sept. 28 as the first performer in the Music Series, while the Fine Arts Series opens Sept. 14 with duo pianists Anthony and Joseph Paratore.

For the Theatre/Dance Series, the Murray Louis Dance Company will lead off on Sept. 21, and an Oct. 20 performance of the children's opera, *Little Red Riding Hood*, is the first of three

Lively Arts for Young Audiences programs.

Other highlights of the Music Series are the Dresden State Orchestra on Oct. 27; the first U.S. tour of the Glinka Chorus of Leningrad, Jan. 25; The New York City Opera Theatre's production of *Gianni Schicchi* and *I Pagliacci*, March 22; the eighth annual residency of the Pittsburgh Symphony Orchestra, conducted by Michael Tilson Thomas, March 28; and Garrick Ohlsson, first American winner of the Chopin International Piano Competition, April 26.

Appearing on the Fine Arts Series are the Aeolian Chamber Players, an ensemble of winds, strings and piano, Oct. 12;

Music from Marlboro, Nov. 2; harpsichordist Fernando Valenti, Jan. 11; New York Chamber Soloists, Feb. 1; and the Beaux Arts Trio, April 19.

Two Broadway plays, Neil Simon's *Chapter Two* and Ira Levin's *Deathtrap*, are scheduled for the Theatre/Dance Series on Oct. 6 and April 10, respectively. The Krasnaysk Dance Company, a troupe of 80 dancers, singers and musicians from the USSR, will appear Jan. 13, followed on Jan. 18 by the Claude Kipnis Mime Theatre, and on Feb. 15 by the Royal Winnipeg Ballet.

Solo performances are the essence of the Drama Series, which, in addition to Ms. Parsons, includes William Windom in

Thurber II on Jan. 5 and Fionnula Flanagan as *James Joyce's Women* on Feb. 9.

Both the Kipnis Mime Theatre and the Pittsburgh Symphony will perform programs for young audiences during their stay at the University.

Brochures describing the season are now available at Pine Cottage and elsewhere on campus, and may also be obtained by phoning the Artists Series at 865-1871.

The sale of subscriptions to new patrons will begin at Pine Cottage on Tuesday, May 1, and will continue daily from 9:30 a.m. to 3:30 p.m. Only out of town residents may order tickets by mail, and phone orders cannot be accepted.

News in Brief

Instructional improvement proposals invited

Proposals for instructional improvement to be conducted during 1979-80 are being invited by Dr. Robert E. Dunham, vice president for undergraduate studies. Faculty from all University Campuses are invited to submit proposals.

The grants are made to academic departments to support the improvement of instruction. This includes developing instructional materials, updating content materials, providing alternate instructional opportunities, initiating innovative instructional procedures, utilizing instructional technology, improving testing and evaluation procedures, etc.

Individuals interested in submitting proposals are encouraged to attend a special orientation seminar to be held in Room 128 Mitchell Building. To facilitate faculty attendance, the seminar will be offered at 9 a.m. and 2 p.m. on both Monday, April 23, and Tuesday, April 24. Types of instructional strategies and design procedures which have been found to be effective in resolving common instructional problems will be discussed. Questions relating to the submission of proposals will be answered at this time also.

Proposals are due in the office of Donald W. Johnson, Room 211 Mitchell Building by Friday, May 18. It is expected that grants will be approved in time for projects to begin during the 1979 Summer Term. The completion date will be June 30, 1980.

Faculty members may obtain copies of the guidelines for proposals from Dr. Johnson's office or by calling 865-7675. Proposals are reviewed by a selection committee which aids in identification of those projects to be funded.

Heat off about May 7; air conditioning on June 4

Heat will be turned off in academic and administrative buildings at University Park approximately May 7, according to Ralph E. Zilly, vice-president for business and chairman of the Executive Energy Conservation Committee.

Air conditioning in those buildings will be turned on June 4.

Depending on need, seasonal air conditioning systems in research areas will be turned on beginning May 14. The heat in residence halls and the Ritenour Health Center will be turned off May 29.

Mr. Zilly said minor date adjustments might occur if short-range weather forecasts indicate the need. The dates for turning on air conditioning and shutting

off heat were established through a statistical study of 30 years of hourly temperature history compiled by the Meteorology Department.

"We expect some minor problems with systems that have been off for the winter months, and your patience and cooperation are requested," said Mr. Zilly. "Please call the service desk at the Office of Physical Plant (865-4731) to report all problems."

Education Secretary to address conference

Education Secretary Robert G. Scanlon will speak on "Education Futures in Pennsylvania" at 7 p.m. Monday, April 30, at The Nittany Lion Inn during the dinner meeting of the 1979 Annual Conference of the Pennsylvania Education Research Association (PERA).

Dr. Scanlon is president of PERA, a 43-year-old organization which brings together researchers from school districts, the State Department of Education, intermediate units, and colleges and universities throughout Pennsylvania.

Theme of the conference, which continues through Tuesday, May 1, is "Futurism in Education and Its Implications for Education Research."

Co-chairmen for the two-day event are Dr. Carl Lindsey, head, planning studies in

Continuing Education, and Dr. Harold E. Mittel, associate dean, College of Education. Persons wishing to register or to obtain further information should call Norman Lathbury at 863-1743 by April 23.

Capitol Campus wife chosen for nuclear panel

Ann Trunk, the wife of Capitol Campus assistant professor of engineering Edward V. Trunk, has been named by President Carter to the 11-member panel formed to investigate the accident at the Three Mile Island Nuclear Generating Station.

A 43-year-old mother of six children, ranging in age from 3 to 14, Mrs. Trunk did not leave the area during the crisis. Her home is less than three miles from the facility.

Proclaiming herself "a housewife," Mrs. Trunk said her appointment was a complete surprise.

Government officials said that when they canvassed local leaders for names, that of Mrs. Trunk appeared on several lists.

Mrs. Trunk said that she is going to make certain that experts who appear before the panel put things into language that she can understand so that others without technical backgrounds can understand them, too.

(Continued on page 5)

Penn Staters



Dr. Kenneth R. Beittel, professor of art education, is marking his 25th year at the University.

Dr. Beittel earned both his M.Ed. and D.Ed. at Penn State after receiving a B.F.A. at Carnegie Institute of Technology in Pittsburgh. He taught at Winthrop College in North Carolina before coming to Penn State.

In 1969, he was recognized as art educator of the year by the National Art Education Association, and in 1971 he received the Barkan Award for outstanding contribution to the literature of art education.

He has served as editor of the publication, *Studies in Art Education*, and has served on the editorial board of *Art Education*. He has also been a consultant-reader for the Commission on Art Education of the U.S. Office of Education for Basic and Applied Research.

In addition to numerous articles, he has published two books, *Mind and Context in the Art of Drawing and Alternatives for Art Education Research: Inquiry into the Making of Art*.

Dr. Beittel is a master potter and has enjoyed numerous exhibitions of his creative work. During a sabbatical leave in 1967, he travelled to Japan and apprenticed himself to master potter Manji Inoue to learn porcelain techniques on the potter's wheel and now works in both stoneware and porcelain.

Ernst Schurer, professor and head of German, was an invited lecturer at the International Hermann Broch Symposium held April 6-8 at Yale University and sponsored by the Austrian Institute. He gave a lecture on Broch's plays and the

drama of New Objectivity, and moderated the first session of the symposium.

Dr. Edwin L. Cooper, professor of zoology, was elected president of the Northeast Division of the American Fisheries Society at its recent annual meeting in Providence, RI. The society is an international organization with more than 8,000 members and recently celebrated its centennial year. It is dedicated to research and management of the world's fishery resources.

Dr. Susan Weis, associate professor of home economics education, has been named chairman of a special Task Force on Vocational Education in Pennsylvania by Secretary of Education Robert Scanlon. The Task Force is one of 14 set up by Secretary Scanlon to investigate various aspects of the Commonwealth's educational systems.

Glyn P. Norton, associate professor of French, has been appointed a Fellow of the Camargo Foundation at Cassis, France, for Winter and Spring 1980. The Camargo Foundation is an educational trust established under the laws of the State of New York and maintains a center of studies on the French Riviera for the benefit of scholars and creative artists who wish to pursue projects in the humanities relative to France. During his residency at the Foundation, Dr. Norton will be writing and conducting research for the projected second volume of his work on French Renaissance translation.

Dr. Graham B. Spanier, associate professor of human development and sociology, has been appointed editor of the *Journal of Family Issues*, a new quarterly supported by Sage Publications. The journal is devoted to contemporary social issues and problems related to marriage and family life, and to theoretical and professional issues of current interest to those who work with and study families. The journal's editorial offices will be located in the College of Human Development. Two issues each year will be devoted wholly to topics of current interest in the field. The other two issues will publish articles and advocacy pieces on any topic related to family issues.

Dr. John H. Pazar, professor of biochemistry, recently presented a paper to the Division of Carbohydrate Chemistry of the Chemical Congress of the American Chemical Society and the Chemical Society of Japan in Honolulu. He discussed "The Formation of Inter-residue Hemiacetal Bonds during the Peroxidation Oxidation of Heteroglycans."

Dr. John B. Washko, emeritus professor of agronomy, has been awarded the American Forage and Grassland Council's highest recognition honor, the Medallion Award. Dr. Washko, a member of the AFGC, has earned national recognition for his work in research and teaching in the forage and grassland field.

Dr. Steven M. Weinreb, assistant professor of chemistry, recently presented invited lectures at the Oregon Graduate Center, Washington State University, and the University of Idaho. He discussed "Progress on Synthesis of Streptogramin" and "Alkaloid Synthesis by the Intramolecular Imino Diels Alder Reaction."

Dr. Daniel Walden, professor of American studies, was one of 15 invited scholars from the nation to represent the area of American Studies and Popular Culture at a conference in Washington, D.C., at which Joseph Duffey, chairman of the National Endowment for the Humanities, and his staff were present. The purpose of the conference was to present and explain the newest fields in American Culture to the Endowment. In addition, Prof. Walden has just published an essay, "The Resonance of Twoness: The Urban Vision of Saul Bellow," in *Modern Jewish Studies* Annual II (1978).

Retirement



Dr. Peter B. Pfahl, professor of floriculture, has retired from the University with rank of professor emeritus. He had been teaching in the College of Agriculture since 1948. Dr. Pfahl's specialty at Penn State has been flower arranging, and he also taught courses in general floriculture and retail

flower management and design.

He received his B.S. in horticulture from Penn State in 1942 and his M.S. in floriculture from Ohio State in 1948. In 1958 he earned his Ph.D. in floriculture from Penn State.

Dr. Pfahl is the author of *The Retail Florist Business*, now in its third printing, and co-author of the forthcoming *Flower Arranging - American Style*.

For many years, Dr. Pfahl coached the flower judging team at Penn State and supervised floral arrangements four times a year for commencement exercises. He has been on the board of directors of the Pennsylvania Floral Association since it was founded in 1952 and a director of the Pennsylvania Flower Growers since 1950. He is also an honorary member of the Allied Florists of the Delaware Valley.

Dr. Pfahl and his wife, Edythe, plan to move to Daytona Beach, Fla., this spring.

Nominations sought for position of Assistant Provost

Nominations and applications are being sought for the position of Assistant Provost.

The Assistant Provost, one of two such posts in the University, is directly responsible to the Provost for the coordination of relationships with various academic and administrative divisions of the University as assigned.

He or she is responsible particularly for academic personnel policies, long-term educational planning, and for liaison relationships with the administrative head of the 17 Commonwealth Campuses of the University. Continuing Education and several of the academic colleges and divisions. The individual will represent the Provost in certain faculty and administrative committees.

Candidates should have earned the highest degree awarded in their discipline or professional field, gained significant administrative and scholarly experience in at least two institutions of higher education, be experienced in the development and funding of innovative academic programs, be knowledgeable in the areas of academic personnel policies and academic budget planning, be able to write clearly and imaginatively and work effectively with people individually and in groups.

Nominations and letters of application with resumes should be sent by May 30 to: Search Committee, Office of the Provost, Room 205 Old Main, University Park, PA 16802.

Penn State physicist selects quote to be engraved on Einstein Memorial

A Penn State physicist has selected a quotation to be inscribed on the Einstein Memorial which will be dedicated Sunday, April 22, at the National Academy of Sciences in Washington, D.C.

Dr. Roger M. Herman, professor of physics, chose the following words from Einstein's essay on the Psalms to be inscribed on the statue's circular base: "... Joy and amazement at the beauty and grandeur of this world and of which one can just form a faint notion." The quote is one of three engraved on the Memorial.

Dr. Herman says he chose the words because "I felt that a lyrical type of statement was consistent with the artistic impact of the statue in which Einstein is portrayed peering into the stars and wondering about the structure of the universe."

"Also, I think great physicists have a certain mystery about them, and the feeling of beauty and wonderment expressed in the quote is part of that."

Dr. Herman found the quotation in *The World As I See It*, a collection of Einstein's essays.

He was appointed to submit suggestions for the inscriptions after he contacted the

Academy to suggest that the quotations scheduled to be carved on the statue be balanced by some of Einstein's prose.

Following Dr. Herman's suggestion, the Academy chose three quotations for the Memorial. Dr. Herman's was the second. The first was selected by the statue's design committee and reads: "The right to search for truth implies also a duty: one must not conceal any part of what one has recognized to be true."

The third quotation, chosen by Dr. Herman and Dr. Philip Handler, president of the Academy, says: "As long as I have any choice in the matter, I shall live only in a country where civil liberty, tolerance, and equality of all citizens before the law prevail."

Dr. Herman believes there is a "nice symmetry" in the statements, which, he says, reflect three basic aspects of the scientist's life.

"In the first statement, we see Einstein's idea of the scientist's professional relationship to society," Dr. Herman explains. "The second shows how he privately related to the objective world around him, and the third portrays an aspect of how he personally related to



A model of the Einstein Memorial - before proposed inscriptions.

society and, in particular, to the United States."

Dr. Herman plans to attend the

dedication ceremonies. It will be his first opportunity to see the words he chose to be engraved on the Memorial.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

April 19-29

Special Events

Thursday, April 19

Sigma Xi Annual Initiation, 7:30 p.m., Room 112 Kern.
Air Force ROTC Public Lecture, 8 p.m., Room 105 Forum, Charles C. Moskos, Jr., sociology, Northwestern Univ., on "The All Volunteer Armed Forces after Six Years."
Nalads Show, synchronized swimming, 8 p.m., Natatorium. Also April 20 and 21.

Friday, April 20

Sports: men's tennis, vs. Eastern Michigan, Kent State and Bowling Green, through April 21.
The American Metamorphosis Series, noon, Kern lobby. Film: *Harvest of Shame*. Candlelight Dinner, "Spring is A-Coming," 4:45-6:45 p.m., HUB Terrace Room.
SFO film, *The Godfather*, 7 and 10 p.m., Room 102 Forum.
Interlandia, Israeli Dance Workshop, with Ya'acov Eden, guest teacher, 7:30-11 p.m., Room 132 White, through April 22.
Japanese Lang. & Lit. Program series, 7:30 and 9:30 p.m., HUB Assembly Hall. Film directed by A. Kurosawa, *Rashomon*. Free.
CSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Arthur Hall Afro-American Dance Company, 8:30 p.m., Eisenhower Auditorium.
Penn State Synchronic Wind Ensemble, 8:30 p.m., Music Bldg, Recital Hall.

Saturday, April 21

Stone Valley Lake opens for sailboat rentals.
Black Arts Festival. A cultural bazaar, 10 a.m., Walnut Bldg.; dance workshop with The Arthur Hall Afro-American Dance Ensemble, 1-3:30 p.m., Eisenhower; The Crusaders, 8 p.m., Rec. Hall.
Sports: men's golf, vs. Alumni, 1 p.m., Commonwealth Campus swimming and diving championships, 2-5 p.m., Natatorium; soccer, vs. Lehigh, 1 p.m.
Phi Psi 500, 11 a.m., downtown.
Camera Day, photos and autographs of 1979 football team, 1 p.m.; intra-squad scrimmage, 2 p.m., Beaver Stadium.
Penn State Model Railroad Club Auction of all model railroad paraphernalia, 10:30-12:30 registration, 1 p.m. auction begins, Room 225 HUB.
Shaver's Creek Nature Center, 1:30-4 p.m., "Attracting Wildlife to Your Backyard."

Sunday, April 22

University Chapel Service, 11 a.m., Eisenhower Chapel. William Lazareth, Div. for Mission in North America, Lutheran Church, speaker.
Blue Bird Concert, 3 p.m., Eisenhower Auditorium.
Black Arts Festival, Schwab Union Christian Campus Ministry Gospel Concert, 3 p.m.; Nikki Giovanni, poet, author, recording artist, 8 p.m.
Tom Kennedy, flute and piccolo, 8:30 p.m., Music Bldg. Recital Hall.
Spring Week Activities: Mt. Nittany Climb.
Penn State Outing Club, 9 a.m. Free U Day, 11 a.m.-6 p.m., HUB & HUB lawn. Artists in Residence, 11 a.m.-6 p.m., HUB.

Monday, April 23

Deadline for May graduates to deliver thesis to Graduate School.
AAUW Used Book Sale, 9 a.m.-9 p.m., Wesley Foundation (256 E. College). Through April 27.
Two Cultures Dialogue, noon, Room 101 Kern.
"Risk-Taking vs. Scientific Evidence: Smoking - Regulation or Free Choice?"
Philip Dettre, piano recital, 8 p.m., Music Bldg. Recital Hall.

Tuesday, April 24

First Annual Slavic Folk Festival, an all day celebration of folk arts, music and everyday life of the Slavic peoples (exhibits, dance performances and films), HUB Ballroom and HUB Assembly Hall.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Glyn Norton, French, on "Parangue in the Temple of Venus Physiozoa: The Translative Energies of Word."
Sports: women's lacrosse, vs. Maryland, 3 p.m.; men's tennis, vs. Pennsylvania, 3 p.m.; Slavic Folk Festival, 7 p.m., HUB Assembly Room. Sergei Bondarchuk's classic film, *The Fate of Man*.
Black Arts Festival, Julian Bond, member of the Georgia Legislature and noted spokesman for civil rights, on "Projections for the '80s," 8 p.m., Schwab. Free



French horn players practice for Concert Blue Band performance April 22.

Wednesday, April 25

Sports: baseball, vs. Navy, 3 p.m.
Medieval Mediterranean World, 10 a.m., Room 101 Kern. Veronika Molnar Gervers, Royal Ontario Museum, on "Medieval Islamic Textiles: Sources and Archeological Finds."
Artists Series film, *Viridiana*, 8 p.m., Schwab. Musicia da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 26

Gentle Thursday, 10 a.m.-10 p.m., HUB Lawn Tent.
Medieval Mediterranean World, 10 a.m., Room 101 Kern. Charles M. Brand, Bryn Mawr College, on "Byzantine and the Sicilian Normans: Intellectual Influences."
Sports: men's tennis, vs. Bloomsburg, 3 p.m.
Mechanical Engineering, distinguished lecture series, 3 p.m., Room 105 Mech. Eng.
Howard W. Emmons, Harvard Univ., on "Fire."
Medieval Mediterranean World, 3:30 p.m., Room 445 Davey. Bernard Goldstein, Univ. of Pittsburgh, on "Late Medieval Astronomy in the Mediterranean World."
Un-Common Theatre preview, Jules Feiffer, *Hold Me!*, 8 p.m., Room 112 Kern. Also April 27.

Friday, April 27

Medieval Mediterranean World, 10 a.m., A.L. Udovitch, Princeton, on "Islam and the Jews in the Middle Ages - An Example of the Islamic View of Differences;" 2 p.m., Parviz Morewade, Baruch College & Fordham Univ., on "The Mystical Self, Existence, and the Ultimate Being in the Islamic, Graeco and Hebraic Traditions of the Mediterranean World," both in Room 101 Kern.
Phi Kappa Phi banquet and initiation, 5:30 p.m., HUB Ballroom.
Spring Week Carnival, 6 p.m.-midnight, intramural fields.
East Asian Studies Committee feature film, 7:30 p.m., Room 101 Chambers. Lyric tragic love story directed by K. Mizoguchi, *Princess Yang Kwei Fei*. Free. Also April 28.
CSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Minnesota Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 28

Penn State Veterans' Statewide Softball Tournament, Blue golf course, intramural softball fields. Through April 29.
Little International Livestock Show, 8 a.m.-5 p.m., University Beef-Sheep Center.
Sports: men's golf, Nittany Lion Invitational, through April 29; softball, vs. Ohio State, 2 p.m., vs. Slippery Rock, 4 p.m.; men's lacrosse, vs. Hofstra, 4 p.m.; soccer, vs. Indiana (Pa.), 1 p.m.
Spring Week Carnival, 3 p.m. to midnight, intramural fields.
Un-Common Dinner Theatre, dinner 6:30 p.m.; *Hold Me!*, 8 p.m., Rooms 102 and 112 Kern. Also April 29.
Percussion Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Sunday, April 29

Sports: softball, vs. Ohio State (2), 10:30 a.m.; men's tennis, vs. Maryland, 1 p.m.
University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Christian Athletes Fellowship.
Sy Barash Regatta, 11 a.m., Stone Valley.
Lori Smith, soprano, 3:30 p.m., Music Bldg. Recital Hall.
Ed Barker, double bass, 8:30 p.m., Music Bldg. Recital Hall.

Seminars

Thursday, April 19

HFER, John T. Powell, Univ. of Guelph-Ontario, on "Sport Teaching as a Science: Sport Teaching as an Art," 7 p.m., Room 104 White.

Friday, April 20

Analytical Chemistry, R. Potenzone, Case-Western Reserve Univ., on "Molecular Mechanics in Structure Activity Studies," 11:10 a.m., Room 333 Whitmore.

Monday, April 23

Ecology, Michael L. Rosenzweig, Univ. of Arizona, on "Habitat Selection between Two Competing Species," 2:20 p.m., Room 105 Forum.

Biochemistry and Biophysics, Ann Hubbard, Yale Univ., on "The Plasma Membrane of the Rat Hepatocytes," 3:55 p.m., Room 101 Althouse.
Genetics, Donald Weed on "Organelle DNA Restriction Analysis," 3:55 p.m., Room 111 Tyson.
Entomology, James Cate, Texas A & M Univ., on "Development of Pest Management Alternatives on Cotton by the Use of a Simulation Model of the Cotton Crop and Boll Weevil Populations," 4 p.m., Room 8 Mueller.

Inorganic Chemistry, John Gleaves, Monsanto Corp., on "Challenges Associated with the Development of an Industrial Oxidation Heterogeneous Catalyst," 8 p.m., Room 333 Whitmore.

Tuesday, April 24

Plant Pathology, Matthew Royer, grad. student, on "Take All Decline - The Biology of *Ophiobolus Graminis*," 9:45 a.m., Room 213 Buckhout.
Ceramic Science, Eleazer M. Rabinovitch, Israel Ceramic and Silicate Institute, on "Measurable Liquid Immiscibility and Vycor-Type Glass in the Na⁺O-P₂O₅-SiO₂ System," 11 a.m., Room 541 Deike.

Biology, Bob Sanders, Univ. of Texas, on "Genetic Analysis of Immune Suppression in Hereditary Murine Dysplastic Chickens," 11:10 a.m., Room 112 Buckhout.
Solid Waste Management, Guy Rindone, ceramic science, on "The Facts and Fantasies of Glass Reclamation," 2:20 p.m., Room 62 Willard.
Engineering Science and Mechanics, Jack Preston, Monsanto Textile Co., on "Ultra High Strength/High Modulus Fibers from

Rigid and Semi-Rigid Polymers," 4 p.m., Room 232 Hammond.
Inorganic Chemistry, M. Stanley Whittingham, Exxon Research and Engineering Co., on "Intercalation Chemistry and Energy Storage," 8 p.m., Room 333 Whitmore.

Thursday, April 26

Chemistry, Royce W. Murray, Univ. of North Carolina, on "Synthesis, Structure, and Charge Transfer Properties of Molecules Bound to Electronic Conductors," 12:45 p.m., Room 333 Whitmore.

Anthropology, Peter G. Riviere, Univ. of Oxford, on "Change in Continuity: The Evangelization of the Trio in Surinam," 3:30 p.m., Room 101 Kern.

Meteorology, Sven Erik Gryning, research associate from Riso, Denmark, on "Elevated Source St-Diffusion Experiment in the Copenhagen Area," 3:55 p.m., Room 112 Walker.

Acoustics, Frank W. Symons, research associate, on "Applications of Linear Predictive Filtering," 4 p.m., Room 73 Willard.

Mathematics, Frank B. Ryan, Yale Univ., on "The Asymptotic Set of a Holomorphic Function," 4 p.m., Room 115 McAlister.
Philosophy, Philip M. Zeller, Univ. of South Carolina, on "Music and meaning, or 'I hope it's not that same old tune,'" 4 p.m., Room 69 Willard.

Physics/Astronomy/Medieval Studies, Bernard Goldstein, Univ. of Pittsburgh, on "Late Medieval Astronomy in the Mediterranean World," 4 p.m., Room 445 Davey.
Analytical Chemistry, H.A. Clark, grad. student, on "Simulation of Mass Spectra," 11:10 a.m., Room 333 Whitmore.
Psychology, Ross Park, Univ. of Illinois, on "Fathers and Sons Revisited," 3:45 p.m., Room 107 Chambers.

Exhibits

HUB Galleries: Richard Mayhew, paintings, through April 26; Slavic Folk Art, Ukrainian Club Art, through April 30; Dottie Toone, through May 13. Hunt Speedball Calligraphy Exhibition, through May 13.

Kern Commons Gallery: Sylvia Rogers, "Patchwork," weavings and needlepoint, through April 21. American Drawings II, through May 1; Photo/Graphs, print-makers using photography techniques, through April 28; Alex Fletcher Memorial Art Center: Members Traveling Exhibition, opens April 29.

Museum of Art: Chinese paintings and mounted rocks, through May 6. Alumni Gifts 1972-1979, through June 10. European works from the permanent collection, through June 24.

Pattee Library: Margaret Sanger exhibit, through April 23, main lobby.

Zoller Gallery: Graduate Thesis exhibitions, through May 21.

Arts Roundup

"Gertrude Stein" to premiere at Playhouse Theatre May 4-5

A limited number of tickets are on sale at the Playhouse Theatre Box Office for the premiere of an original one-character play, *Gertrude Stein*, featuring actress Pat Carroll.

Sponsored by the Institute for the Arts and Humanistic Studies and the Department of Theatre and Film, the play will be presented as a work in progress May 4 and 5 at 8 p.m.

Anne A. Gibson, associate professor of theatre arts, has designed the set for the show, which will tour the university circuit next fall. Assistant professor of theatre Charles Firmin has been named lighting designer for the production.

The original script is by Marty Martin, and the work has been directed by Milton Moss. Mr. Carroll, who has appeared in numerous television productions, as well as on and off-Broadway, portrays the legendary expatriate writer in her famous Paris salon, surrounded by the ghosts of many of the great artists and writers she knew.

Chamber Orchestra concert includes Polish work

Musica da Camera, the University's chamber orchestra, will present its first concert on campus since returning from a tour of Poland in February. The concert is scheduled for 8:30 p.m. Wednesday, April 25, in the Music Building Recital Hall.

The group will perform several pieces with which the musicians became acquainted on the tour. Included in the program is Maciej Radziwill's "Divertimento," a classical work in the tradition of early Mozart. When Musica da Camera was in Lublin, Poland, they were given a score of the piece by the conductor of the Lublin Chamber Orchestra.

Lois Oakley and Denise Talbot, violinists, will be featured soloists in Vivaldi's *Concerto for Two Violins*. Musica da Camera heard the Wrocław Chamber Orchestra perform this piece when the two groups presented a joint concert in Wrocław.

Mozart's *Symphony in G Minor No. 40*, one of the composer's best known works, is also on Musica da Camera's program. For this piece, the group will be joined by faculty, student and local wind players. Musica da Camera will also be performing portions of various other chamber works for the concert.

Musica da Camera is composed largely of graduate students in music who have been selected for assistantships on the basis of their performance abilities. The group is conducted by D. Douglas Miller, associate professor of music.

Feiffer play at Kern

The Graduate Commons and the Department of Theatre and Film will present *Hold Me!* by Jules Feiffer as this term's Un-Common Dinner Theatre.

A preview will be held at 8 p.m. Thursday, April 26, in Room 112 Kern Building. Admission is \$1. Friday, April 27, admission will be \$2.50 for non-students and \$2 for students, with an 8 p.m. curtain.

Dinner and theatre will be offered on Saturday and Sunday, April 28 and 29, for \$7.50 (a limited number of theatre only seats will also be available). The menu will feature antipasto, minestrone, garlic bread, chicken breast florentine, fettuccini, scalloped zucchini with eggplant, Italian ice with fruit and coffee and tea. Dinner is at 6:30 p.m. and theatre at 8 p.m.

Hold Me! is directed by Brian Morgan, with scenic design by Marty Cabot, lighting by John Cardoni, and costumes by Rich St. Clair.

Ticket sales begin Monday, April 16, at the Kern Information Desk. Telephone reservations may be made by calling 865-1878.



Smith Toulson III

Wind Ensemble to play Mendelssohn, Hindemith works

The Symphonic Wind Ensemble, under the direction of Smith Toulson III, associate professor of music, will present its spring concert at 8:30 p.m. Friday, April 20, in the Music Building Recital Hall.

The 45 musicians, drawn from both students and faculty, will begin their performance with Mendelssohn's *Overture in C Major* for wind band. Mendelssohn was 15 years old when he composed the piece.

The program will continue with Hindemith's contrapuntal *Symphony in B flat* for concert band. Graduate assistant Tom Kennedy will conduct "Divertimento," six short movements for band by Vincent Persichetti.

"Transitions," by contemporary Dutch composer Henk Badings, is included on the program, along with Darius Milhaud's "Suite Francaise." Asked to write an "easy" work for band during the war year of 1944, Milhaud chose to weave into the composition folk tunes from regions in France where Americans were fighting.

The ensemble has selected "Illinois March" by Edwin Franko Goldman to close the program.

Dettra chooses Prokofiev, Beethoven Sonatas

The Prokofiev Sonata No. 3 in one movement has been chosen by pianist Philip Dettra to open his recital at 8:30 p.m. Monday, April 23, in the Music Building Recital Hall.

Beethoven's Sonata opus 110, one of the composer's final works, is the second number on the program, to be followed by two pieces by Scriabin — a prelude and a nocturne — which were written for the left hand alone. The Monday recital will close with Prokofiev's Sonata No. 7.

Mr. Dettra, an assistant professor of music and a Penn State alumnus, studied piano with Earl Wild, a former member of the music faculty at the University. His studies with pianist Paul Doguerneau were supported by grants from the University's Institute for the Arts and Humanistic Studies and the Peabody-Mason Music Foundation.

Concert Blue Band to perform in Eisenhower

Under the direction of Dr. Ned C. Deihl, Penn State's Concert Blue Band will present a varied program at 3 p.m. Sunday, April 22, in Eisenhower Auditorium.

Molly Weaver, a senior in music education, will perform the solo role in Carl von Weber's *Second Concerto for Clarinet*. Also featured in the concert will be Kalinnikov's *Finale* from *Symphony No. 1* in C Minor, with antiphonal brass choirs in the balcony.

Other works to be performed are by Percy Grainger, Gustave Holst, Hindemith, and Sousa, along with contemporary and Broadway show music.

Nittany Mt. Summer to offer varied fare

For the sixth consecutive season, Nittany Mountain Summer, the University's summer arts program, will feature a variety of theatre, music and dance performances, as well as art exhibitions, June 21 through Aug. 4 at University Park.

Festival Theatre will begin its 22nd consecutive professional season with a production of Alan Ayckbourn's comedy, *Absurd Person Singular*, appearing June 21 through July 1 in the Pavilion Theatre.

Showboat, the Oscar Hammerstein-Jerome Kern classic, will stream into The Playhouse July 5 through 22.

Boy Meets Girl, Bella and Samuel Spewack's comedy about shenanigans in a Hollywood movie studio, will complete the Festival's schedule, with performances in the Pavilion Theatre July 19 through 29.

Spectrum, Nittany Mountain Summer's professional entertainment series, will open with a concert by country and western singer, Conway Twitty, June 30 at 7 p.m. and 9:15 p.m. in Eisenhower Auditorium.

The Magic Flute, Ingmar Bergman's film based on the Mozart opera, will be shown July 11 at 8 p.m. in Eisenhower Auditorium; and Judith Raskin, soprano of opera and recital stage, will perform July 12 at 8 p.m. in Schwab Auditorium.

These events, along with a concert performance by bluegrass musician John Hartford July 12 at 7 p.m. and 9:15 p.m. in Eisenhower Auditorium, will be presented in conjunction with the Central

Pennsylvania Festival of the Arts July 11 through 15.

The Spectrum series will continue with an evening of tap dance by The Jerry Ames Tap Dance Company July 28 at 8 p.m. in Eisenhower Auditorium. Fred Waring and the Young Pennsylvanians will close the Nittany Mountain Summer season with a musical program entitled "More About Love" Aug. 4 at 8 p.m. in Eisenhower.

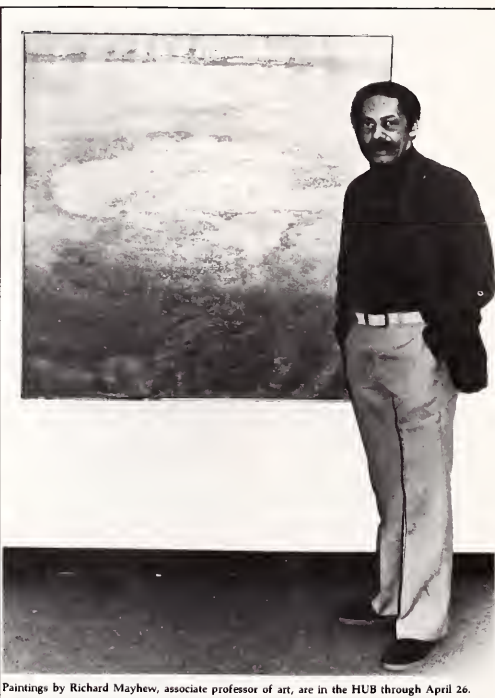
Nittany Mountain Summer will also feature four exhibitions in the Museum of Art, beginning with the "Works of Arthur B. Davies from the Collection of Mr. and Mrs. Herbert Brill" June 24-Sept. 9.

"Heritage Sampler: An Introduction to the Domestic Arts and Crafts of Central Pennsylvania 1750-1900" will appear in the Museum July 8-Sept. 23. It was selected by Roy Buck and Richard Jones.

In addition, the Museum will feature the annual "Central Pennsylvania Festival of the Arts, Contemporary Juried Crafts" exhibit July 8 through Aug. 16, and "Highlights from the Permanent Collection," an exhibition of works from the Museum's own collection May 20 through Sept. 2.

The Festival Theatre box office, located in The Playhouse, will open June 4, and the Spectrum box office, located in Eisenhower Auditorium, is tentatively scheduled to open in mid-June.

Further information about Nittany Mountain Summer may be obtained by writing Nittany Mountain Summer, Room 115 Arts Building, University Park, Pa. 16802, or by calling 814-865-1749.



Paintings by Richard Mayhew, associate professor of art, are in the HUB through April 26.

WPSX Highlights

Izhak Perlman joins conductor Andre Previn and his orchestra to perform the Sibelius Violin Concerto on Previn and the Pittsburgh, Saturday, April 21, at 9 p.m.

Ambrose Bierce's Civil War tale of a sniper who finds himself pinned down after an explosion with his own cocked rifle pointed between his eyes is dramatized Saturday, April 21, at 11 p.m. on "One of the Missing." Ray Bradbury introduces the story.

Moll Flanders, Daniel Defoe's story of a determined young woman's struggle for survival in the midst of social injustice, corruption, and vice in 17th century England, begins Sunday, April 22, at 10 p.m. The final episode of this two-part adaptation airs Sunday, April 29.

Tuesday, April 24, at 9 p.m., a 90-minute documentary, *An American Ism: Joe McCarthy*, explores the life and times of the former senator.

Power, envy, and greed spin a web of intrigue in Shakespeare's last play, *Henry VIII*, Wednesday, April 25, at 8 p.m. as *The Shakespeare Plays* concludes its first season.

Slavic Festival next Tuesday

The First Annual Penn State Slavic Folk Festival, a day-long celebration of the Slavic heritage, will be held in the Hetzel Union Bldg. on Tuesday, April 24, from 9 a.m. to 9 p.m. The program is sponsored by the University's Department of Slavic Languages.

There is a large ethnic population in Pennsylvania and among Penn State students, and we wanted to help those people explore their heritage," explains Lorraine Kapitaniak, assistant professor of Slavic languages and coordinator of the festival.

Most activities will take place in the HUB Ballroom, but films will be shown at regular intervals throughout the day in the HUB Assembly Room. A special exhibit of costumes, Ukrainian Easter eggs, and other artifacts will be on display in showcases in the HUB lobby until the end of the month.

During the festival, displays of Russian, Polish, Slavic and other artifacts will be arranged around the periphery of the Ballroom. There will be continuous showings of slide traveltogs of Russia, Poland and Yugoslavia, and of two videotapes made by the Department under an instructional improvement grant: Chekhov's one-act play, *The Marriage Proposal*, and a sequence of Russian folk dances.

There will also be live entertainment hourly.

Penn State's Ukrainian Chorus, Interludia folkdancers, a group of Russian singers and dancers from Clarion State College, a puppeteer, an international dance group and other individual instrumentalists and vocalists will be featured.

Strolling performers will be present throughout the day, among them two bayan (Russian accordion) players and a juggler.

Among the movies to be shown during the day are films on Russian opera, folk music and folk dance; training bears for the Russian circus; and the involvement of Poles in American history.

In the evening at 7 p.m., Sergei Bondarchuk's classic film, *The Fate of a Man*, will be shown in the Assembly Room. The festival will remain open through the lunch and dinner hours, and faculty and staff are welcome to attend any of the activities, all of which are free.

Affirmative Action in veterans' hiring

Editor's note: The following article has been supplied by the University's Affirmative Action Office.

The University is a government contractor subject to Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended, which requires government contractors to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era.

A "disabled veteran" is a person entitled to disability compensation under laws administered by the Veterans Administration for disability rated at 30 per centum or more, or a person whose discharge or release from active duty was for a disability incurred or aggravated in the line of duty.

If you are a disabled veteran covered by this definition and would like to be considered under the affirmative action program, please contact the Affirmative Action Office (863-0471/433-0471). The information requested is voluntary and will not be used to affect adversely the terms and conditions of employment. It will be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on work duties and necessary accommodations, and (2) first aid personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment.



Students model some of the costumes to be seen at Slavic Festival.

News in Brief

(Continued from page 1)

AAUW book sale

The 18th annual Used Book Sale of the American Association of University Women will be held Monday through Friday, April 23-27, on both floors of Wesley Foundation, 256 East College Avenue, between the hours of 9 a.m. and 9 p.m.

More than 30,000 paperback and hardbound books are assembled by categories for easy browsing. Fiction, biographies, collector's items, some Penn State memorabilia, sheet music, art prints, etc. are included.

There will be a half-price day Thursday, April 26, and bag day will be held April 27. (On bag day, buyers may fill a grocery bag with books for \$1.50 — bags provided.) Proceeds from the sale go to fellowship programs and local educational projects.

Conference highlights cross-cultural influences

"The Medieval Mediterranean World: Patterns in Cross-Cultural Ventures" will be explored in a conference at the University from Wednesday, April 25, through Friday, April 27.

The conference, held annually on various subjects of interdisciplinary interest, this year studies the influences between cultures in the Mediterranean region during the Middle Ages.

In addition to participants from Penn State, speakers from the University of Pittsburgh, Princeton University and the Royal Ontario Museum will present lectures.

Topics, times and locations are listed in the INTERCOM calendar. The conference is open to the public and is sponsored by the College of the Liberal Arts, the Interdisciplinary Graduate Program in the Humanities, the Medieval Studies Program, the Institute for the Arts and Humanistic Studies, and the Middle East Studies Program.

Camera Day on April 21

"Camera Day" — the public's first opportunity to see the 1979 Penn State football team — will be held at Beaver Stadium on Saturday, April 21, at 1 p.m.

The team, coaching staff, cheerleaders and Nittany Lion will be on hand for the hour-long photo and autograph session, which will be followed by an intra-squad scrimmage at 2 p.m.

W-4E exemption expires April 30

The Controller's Office wishes to remind those employees who filed a Withholding Exemption Certificate — Form W-4E — for 1978 that this certificate will expire April 30, 1979, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1979. You may claim the exemption from withholding if you had no income tax liability for 1978 and if you anticipate no income tax liability for 1979. Forms are available from the Payroll Department, Room 301 Shields Building.

In general the elimination of the withholding applied only to those working part time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Peace Corps honors Penn State for record number of volunteers

Peace Corps representatives have honored the University for contributing more Peace Corps volunteers in 1978 than any other college in the country.

This is the third time since 1961, when President John F. Kennedy established the Peace Corps, that Penn State has recruited the greatest number of volunteers, a distinction that belonged to Harvard in the 1960s and the University of California at Berkeley in the early 1970s.

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Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 26, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

RECORDS, REGISTRATION & SCHEDULING OFFICER, Behrend College. Responsible for tasks related to student records, preparation of course schedules; pre-registration and registration of students; auditing student records prior to graduation; for the development and maintenance of associated files, systems and procedures; and a variety of other related operations. The position involves supervision of all records office staff and frequent contact with students and faculty. There is considerable interaction with division officers and other administrative units at Behrend and University Park. Bachelor's degree or equivalent, with two to four years of directly related experience, or master's degree or equivalent, with one to two years of directly related experience in records and related information systems. Familiarity with electronic data processing systems and use is highly desirable. Experience should include supervision and direction of other personnel.

COORDINATOR, CAMPUS RESIDENTIAL LIFE, McKeesport Campus. Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the Residence Hall program. The responsibilities of the position include administration of the conduct standards system; selection and supervision of student assistants; developing cultural, social and educational programs; counseling of students. Bachelor's degree or equivalent, plus at least one to two years of directly related experience is required; or a master's degree or equivalent in student personnel or related field, with three to six months of residence hall experience.

STAFF PHARMACIST — COLLEGE OF MEDICINE, Hershey. Responsible to the Assistant Manager or Pharmacy Supervisor to perform pharmaceutical functions of inpatient and outpatient dispensing, intravenous admixture and hyperdilution preparation, extemporaneous compounding, providing drug information to physicians, students, nurses and patients. Maintain inpatient and outpatient drug profiles, enforce Formulary regulations, and maintain required pharmaceutical records and inventory levels. Bachelor of science in pharmacy, plus one to two years of directly related experience. Pennsylvania registration in pharmacy or eligibility required.

BUSINESS MANAGER, Wilkes-Barre. Responsible to Campus Director for all non-academic business affairs, including personnel and employee relations, purchasing, budget administration and control, student accounts, physical plant, maintenance and operations, utilities, safety, security, community relations, accounting procedures, auxiliary enterprises (bookstore and food service) and general services. Bachelor's degree in business administration or related field, plus five years of directly related experience, eight years of directly related experience claimed in lieu of degree. Supervisory experience preferred.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, Worthington Section. Campus Responsible to the Dean of Student Affairs for the administration and coordination of student programming, scheduling of the Student Union, plus all co-curricular events. This individual also participates in student recruiting, admissions counseling, and career development activities. Master's degree in counseling, student personnel, or related field, or equivalent college study or training, plus up to one year of related experience, or a bachelor's degree and equivalent job-related experience of more than two years.

In addition to the above vacancies, there are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Staff Nurses	Hershey
Licensed Practical Nurses	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
Medical Technologists	Hershey
Assistant Food Supervisors	Housing & Food Services
Residence Hall Coordinators	Student Affairs
Assistant Coordinators	Student Affairs
Nutrition Assistants	Ag Extension (various counties)
Psychiatric Assistants	Hershey
Programs	Management Services
Applications	Management Services
Programmer/Analyst	
Respiratory Therapy Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey

Penn State's 1979-80 Appropriation Request

Editor's note: This is the second of a several part series setting forth the University's funding request as presented by President Oswald to the House and Senate Appropriations Committees.

THE FINANCIAL PROBLEM

Even in a tight budget, the Governor has given a higher priority to education. Penn State applauds this action. While the recommended 4.8 percent increase in Penn State's appropriation clearly will help, and we welcome it, this amount still falls far below our unavoidable inflationary cost increases. Unless this figure can be increased substantially by the Legislature, it will mean further tuition increases as well as another series of internal cutbacks and reallocations within the University.

As Penn State looks to the decade of the 1980s, a major concern is to halt the erosion in the quality of the University's programs and services. Penn State has coped with reductions in the purchasing power of the State appropriation since 1972. As shown in Figure 1, the University's appropriation has increased by some \$29.3 million since 1972-73. The purchasing power of these funds, however, has actually dropped by more than \$9 million when one takes account of inflation.

To offset partially the decrease in purchasing power of the appropriation, the University has made internal cutbacks as well as substantial increases in tuition charges to students and their families. From 1972-73 through 1978-79, tuition charges have increased by 60 percent, which is in excess of the general rate of inflation and significantly above the 35.4 percent increase in State appropriations during the same period.

The 1978-79 tuition charge of \$1,368 for undergraduate students at University Park is 76 percent, or \$589 higher than the national average of all state universities. Figure 2 shows that while tuition at these institutions increased by an average of \$233 since 1972-73, Penn State's tuition increased by \$513, more than double the national average.

RETRENCHMENT STEPS TAKEN AND IN PROGRESS

Penn State has worked to gain the fullest possible measure from available resources. Our history of internal budget cutbacks and reallocations demonstrates that commitment. During the last eight years, the University has pulled back a total of \$18.7 million from operating budgets for allocation to areas of even greater need. Of this amount, over \$14 million, or 76 percent, was obtained by collapsing salaried positions and reducing operating funds available to departments. The remaining 24 percent was obtained by reducing or eliminating essential central provisions for instructional and research equipment, maintenance and maintenance equipment, library acquisitions, and data processing needs. These internal cutbacks and reallocations represent over 9 percent of the University's 1978-79 General Funds budget.

At the same time, Penn State faculty members have absorbed increased teaching loads. Since 1972-73, Penn State's enrollment has increased by 11.5 percent, while the number of full-time faculty has decreased by 3.1 percent. Both administrative staff and faculty members have been assigned heavier workloads. There were 195 fewer academic and non-academic personnel on Penn State's payroll in October of 1978 than there were in October, 1976.

Penn State's administrative costs are among the lowest in the nation. A study of 23 public and private universities showed that



President Oswald presented the University's funding request when the Senate Appropriation Committee held hearings for the first time at University Park on April 11. At his left, Dr. Stanley O. Ikenberry, senior vice president for administration; at right, Provost Edward D. Eddy.

administrative costs for 1976-77 and 1977-78 averaged approximately 9.0 percent of total educational and general operating expenses. Penn State's administrative costs for the same years were approximately 6.5 percent. Over the past decade, the University has occupied 25 percent more gross square footage, but has not increased the size of its basic staff. Five vice presidents who have retired in the past eight years have not been replaced.

In many programs and departments, the number of personnel has been reduced to permit shifting resources to meet essential needs and unavoidable cost increases. These include costs of fuel, utilities, and other supplies and services, growing Social Security and group insurances costs, and essential salary and wage adjustments for employees. For example, the amount Penn State must pay for retirement costs, primarily to the State Employees' Retirement System, has more than quadrupled since 1970-71. In that year, total retirement costs were \$4.6 million. In 1978-79, Penn State will pay over \$21 million for retirement costs. Also, Social Security costs have increased significantly. Base and rate changes mandated by the new Social Security legislation will cost Penn State an estimated additional \$1.0 million for 1979-80.

PROGRAMMATIC EFFECTS

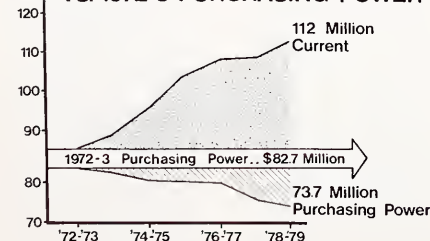
The quality of Penn State's programs and services has been diminished by the necessity for seven years of internal budget cutbacks. Further cutbacks will mean a major loss of program quality. Each year extensive reviews are conducted with each academic college, campus, and administrative division as part of the University's planning and budgeting process. The reviews illustrate the scope of the

problems being faced. For example:

- It is not possible to provide sufficient numbers of class sections required by students in certain areas. Commonwealth Campus students in some majors must transfer to University Park several terms early because needed sections are unavailable on their campuses. University Park students in some majors must return for additional terms of instruction because they are unable to schedule courses required for graduation.
- Basic courses in Business Administration have as many as 1,000 students in a single section. Class sizes in advanced Engineering courses frequently exceed 70 students, more than triple the usual section size for this type of instruction.
- Enrollment restrictions are in effect or being considered by several colleges and programs simply because of the lack of the needed number of faculty members and the shortage of supporting resources internally; the problem, however, is substantial.
- It has been said that a university is a collection of books and people. The library is a critical element in the instructional and research efforts conducted by a university. Penn State's libraries are being hurt by the recent budget constraints. The total number of volumes added by the library in 1977-78 dropped by 8.2 percent from the previous year due to increased costs and limited funds. Next year, we anticipate a 16.0 percent increase in subscription prices. The library is now in the position where it is spending virtually all of its budgeted acquisition funds on subscriptions to basic journals, with almost no budgeted funds available for the purchase of new books.

- Still another problem is instructional and research equipment. During the 1950s and 1960s, when enrollments were increasing rapidly, many new facilities were constructed. Equipment was provided through capital budgets as part of the construction projects. Now this equipment is 10-25 years old. Much of it is worn out or technically obsolete. Since new construction virtually has ceased, equipment replacement must be provided from operating budgets. At the same time, the costs of most large equipment items have skyrocketed. Penn State has an academic equipment inventory of well over \$100 million, and sufficient operating funds are not available for anything close to adequate replacement.
- In certain scientific disciplines in which laboratory instruction is quite important, laboratory courses have been discontinued and less effective classroom instruction has been substituted in large part because of the lack of funds to purchase needed laboratory equipment and supplies.
- The pressure to reallocate funds to more immediate needs has forced Penn State to discontinue a long time policy of preventive maintenance of its facilities. The absence of preventive maintenance likely will lead to emergency repairs that in the long run can be both more costly and disruptive. The costs of State and Federal requirements for renovation of facilities also have been escalating rapidly, and funds to meet these costs are not available. The total known costs of regulatory requirements will amount to several million dollars. Beyond these requirements, Penn State has a backlog of over \$2.2 million in badly needed maintenance projects.

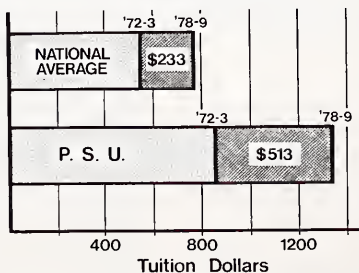
P.S.U. APPROPRIATION: CURRENT \$ VS. 1972-3 PURCHASING POWER*



* 1972-3 Constant Dollars using Implicit Price Deflator Index for Inflation

Figure 1

P.S.U. TUITION COSTS VS. NATIONAL AVERAGE*



* Includes Land-Grant and other state universities

Figure 2

Penn State Intercom

Freeze removed on transfers to Business Administration College

Dr. Robert E. Dunham, vice president for undergraduate studies, has announced the total removal of the freeze on transfers to the College of Business Administration.

In addition, certain policies and procedures have been established to improve the ability of current students to make normal degree progress. Effective immediately, the College of Business Administration is open to all qualified students.

"Business Administration is currently serving more students than at any time in its history," College Dean Eugene J. Kelley points out, "and we want to insure that no qualified students are turned away."

Since 1973-74, the number of baccalaureate majors in the College has grown from 2,622 to 3,737, an increase of 42.3 percent. Enrollment projections indicate that by 1983-84, the College can expect at least 5,400 majors.

To cope with these enrollment pressures, a freeze was instituted last year on transfers to CBA by students enrolled in other units at Penn State and by students at other institutions.

Under the new policy, through the 1980 Winter Term, students admitted to Penn State as baccalaureate degree candidates, irrespective of college, may transfer to Business Administration if they have a cumulative grade point average of 2.50 or higher.

This policy also applies to students in the Division of Undergraduate Studies, provisional students and nondegree students, Dean Kelley explains.

Prior to declaring a major, undergraduates in the College are given a "Business Administration" designation. Effective Spring Term 1980, students can gain acceptance into a major by completing approximately 60 credits of course work, 30 of them in specified courses, and by earning a cumulative grade point average of 2.30 or higher during their first six terms.

However, until Spring Term 1980, students presently in the College may elect a major if they complete course requirements and maintain an average of 3.00 or higher.

Students from other institutions of higher education may also apply for advanced standing admission to Penn State's Business Administration programs if they meet minimum entrance

requirements and have a 3.0 cumulative grade point average.

"The demand for undergraduate resident instruction in business administration is unrelenting," Dean Kelley says. "It exists not only at Penn State but at many other leading institutions across the country."

"Even though the number of college age students is dropping, an increasing number of those who do enter college are expressing an interest in career-oriented curriculums such as business and management. At Penn State, for example, the number of women in business administration programs has increased ten-fold since 1971 in both the undergraduate and graduate programs."

The College's advising and counseling program is being reinforced to help "Business Administration" students who may be in trouble under the new grade point provisions.

Any CBA student whose average falls below 2.30 at the end of his or her third, fourth or fifth terms will be notified and asked to meet with a representative of the College or the Division of Undergraduate Studies (DUS).

The College and DUS have developed an advising program to help such students cope with their academic problems. If appropriate, students may be assisted in pursuing some alternative to a major in the College, Dean Kelley says.

During the period when the new admissions policies are in effect, the College will also apply special course registration controls for all overenrolled CBA courses at University Park. These controls will insure that students needing prescribed courses either for core requirements or their majors can make normal degree progress.

Continuity assured for nursing program in Erie

An agreement reached with the Hamot Medical Center assures no interruption in the continuity of associate degree nursing education in the Erie area for at least the next two years.

Provost Edward D. Eddy announced Monday that Penn State has agreed to accept a freshman class into the associate degree nursing program this fall at its Behrend College with the understanding that incoming students may complete their second year of education at another local college.

Villa Maria College has been discussing

(Continued on page 2)



Elspeth Rostow

Honors Convocation to hear Texas Dean

Elspeth Rostow, dean of the Lyndon B. Johnson School of Public Affairs of The University of Texas at Austin, will speak at the University's 1979 Honors Convocation Sunday, May 13, at 2:45 p.m. in Eisenhower Auditorium.

The Honors Convocation, formerly the President's Academic Awards Assembly, recognizes undergraduate students for superior academic achievement.

President Oswald will make the welcoming remarks. Dr. Robert E. Dunham, vice president for undergraduate studies, will present awards to 300 honor students from University Park, the Commonwealth Campuses, and Behrend College.

Awards include: the President's Freshman Award, the President Sparks Award for sophomores, and the Evan Pugh Scholar Award for juniors and seniors.

Provost Eddy will present the Amoco Foundation Outstanding Teaching Awards to four faculty members, two representing the University Park Campus and two from the Campuses.

Music will be provided by the Penn State Singers under the direction of Raymond Brown.

Award certificates will be presented to students honored at an informal reception following the convocation in the HUB Ballroom.

Dan Rostow, a graduate of Barnard College, Radcliffe and Cambridge

(Continued on page 6)

Faculty Senate to get slate of nominees

The names of George Franz, assistant professor of history at Delaware County, and Miles T. Pigott, assistant director of the Applied Research Laboratory and professor of engineering research, have been proposed as candidates for chairman-elect of the University Faculty Senate by the Nominating Committee.

For secretary of the Senate, the Nominating Committee has proposed Arthur E. Goldschmidt Jr., associate professor of history, and Stanley P. Mayers Jr., professor of health care planning.

Senators will vote for new officers at their May 1 meeting, which begins at 2:10 p.m. in Room 112 Kern Building. Nominations for all posts will also be accepted from the floor.

One representative to the Faculty Advisory Committee, to be elected for a three-year term, will be chosen. The faculty members nominated are Ernest L. Bergman, Vladimir DeLissovsky, Philip A. Klein, Edward H. Klevans, Eugene S. Lindstrom and James F. Smith.

Among other posts to be filled are six positions on the Faculty Rights and Responsibilities Committee, two for University Park faculty, two for faculty from other campuses, and two for members of the Council of Academic Deans.

Two members will be elected to serve on the Standing Joint Committee on Tenure and three on the University Promotion and Tenure Review Committee.

Several reports from Senate Standing Committees are on the agenda.

The Committee on Continuing Education, reporting on enrollment trends, points out that although enrollment in continuing education will increase due to non-credit enrollment gains, the increase will not compensate for the predicted loss in students in the traditional 18-22-year-old category.

The Committee's report suggests that further development of extended degree programs might help stem the decline in credit enrollments and that the University clarify its position regarding the development of these degree programs. It also suggests that the University promote its Continuing Education offerings more aggressively.

The Committee points to the increasing competition for continuing education

(Continued on page 6)



Get your heart out joggers: Penn State's new track has a 6' wide tenth lane just for area joggers, but there are still a few months to go before the track is finished and turned over to the University.

Penn Staters



Charles J. Noll, associate professor of olericulture, has retired from the University, following 33 years of teaching and research.

A 1935 Penn State graduate, Mr. Noll worked for five years as a salesman for General Chemical Company. Upon receiving his master's degree in horticulture from Penn State in 1942, he served with the 7th Air Force for four years in the Central Pacific as a photo interpreter. After 22 years of service, he retired as a lieutenant colonel in the Air Force Reserves.

Mr. Noll's research interests were in chemical weed control, cabbage breeding programs and conducting vegetable trials. He taught courses on vegetable production and marketing and was the author of more than 170 articles.

In 1975, Mr. Noll went to Uruguay under the U.S. Agency for International Development program for three months to teach techniques for increasing farm production. Last year, in a similar project, he spent seven months in the Bahamas.

Mr. Noll, a State College resident for most of his life, is the son of Dr. Charles F. Noll, a former head of the Department of Agronomy.

John Schmidman, associate professor of labor studies, is the author of *Unions in Postindustrial Society*, published this month by the Penn State Press. The book is a review and synthesis of trade union theory as applied to the modern United States, where more than two-thirds of the labor force is employed in nonmanufacturing jobs.

The labor movement, Dr. Schmidman argues, can adapt to an economy in which ever-fewer workers produce an ever-larger share of manufactured goods if unions maintain theoretical flexibility. Unlike those who predict the demise of the labor movement, he asserts that unions and other collective-bargaining organizations can broaden their power base by meeting the needs of increasingly educated service, technical and professional employees.

Formerly vice president of the University Labor Education Association, Dr. Schmidman is an arbitrator for the Pennsylvania Bureau of Mediation, a factfinder for the Pennsylvania Labor Relations Board and a member of the National Labor Panel of the American Arbitration Association.

Dr. Harold M. Frost, project scientist for nondestructive testing at the Applied Research Laboratory, has been appointed by the British journal *Ultrasonics* as an international advisory editor, representing the United States on the journal's editorial board. He will also help organize and present a paper at the biennial Ultrasonics International Conference sponsored by the journal, to be held May 15-18 in Graz, Austria.

Dr. G. Warren Marks, associate professor of civil engineering, has been appointed to a panel on a Multipurpose National Cadastre, organized by the Committee on Geodesy of the National Research Council.

Dr. John H. Hoke, associate professor of metallurgy, and **Dr. John E. Tilton**, professor of mineral economics, have received the College of Earth and Mineral Sciences Matthew J. and Anne C. Wilson Outstanding Teaching Awards. The awards consist of \$1,000 and a plaque.

Prior to joining the Penn State faculty, Dr. Hoke taught at Johns Hopkins University and spent 10 years working in industry. He received his B.S. in 1946 and his M.S. in 1948 from the University, and his D.E. in 1955 from Johns Hopkins. He has developed a number of new courses, and, in cooperation with industry, is establishing a metallurgy work-study program for undergraduates.

The author or co-author of about 30 publications, Dr. Hoke has supervised the work of 25 graduate students. His research interests are in stainless steels and high-temperature alloys with emphasis on mechanical properties. He is a registered professional engineer and a registered corrosion specialist. Long active in the American Society of Metals, he has held all the offices in the local chapter and has served on several ASM national committees.

Dr. Tilton received his B.A. from Princeton University in 1961 and his Ph.D. in economics from Yale University in 1965. He was a research assistant in the economic studies division of the Brookings Institution and served on the University of Maryland faculty from 1970 until he joined the Penn State staff in 1972.

Current research projects in which Dr. Tilton is involved are concerned with the instability of mineral markets and the determinants of material substitution. His other interests include prospects for future material shortages, international trade in metals, and causes and consequences of U.S. dependence on mineral imports.

He is a member of two boards of the National Academies of Sciences and Engineering—the National Materials Advisory Board and the Board on Mineral and Energy Resources.

Dr. Joseph H. Britton, professor of human development and chairman of The Gerontology Center, has been appointed to the Citizens' Advisory Committee of the Pennsylvania Department of Aging.

Robert G. Wingard, professor of wildlife extension, recently received a Certificate of Appreciation from the U.S. Forest Service for the development of a film-o-graph motion picture, *Forests for Wildlife*. The film was chosen as one of the top three outdoor films of 1978 by The Outdoor Writers Association of America.

"Winter Sun," a colored pencil drawing by **Richard Alden**, assistant professor of architecture, is included in the 24th Annual Regional Art Exhibition at the Hazleton Art League in Hazleton, Pa. The exhibition continues through May 4.

Robert L. Cohn, assistant professor of religious studies, gave a lecture entitled "Joseph and Potiphar's Wife: Biblical and Rabbinic Theologies" at Northwestern University last week.

Dr. Richard L. Frautschi, professor and head of the Department of French, is the co-author of *Pour et Contre*, a French conversation manual. The book was published by Harper and Row.

Two members of the University art faculty have received awards in the Mid-Atlantic Drawing and Print Competition sponsored by the Frostburg State College Fine Arts Gallery and the Westvaco Company. Instructor **Mary Banes** received first prize in drawing for her work "Still Life with House." **Peter Jogo's** "Back Lot" was awarded first prize in printmaking. Mr. Jogo is an assistant professor of printmaking.

News in Brief

NEH awards grant to Penn State Press

The Penn State Press has been awarded a grant by the National Endowment for the Humanities in support of publication of *Benjamin Thompson, Colonial Bard: A Critical Edition*, edited by Peter L. White. Only one of every four proposals received such funding this year. Dr. White began his editing of Tompkins's poems in a Penn State dissertation directed by Harrison T. Meserole, professor of English.

University well represented at anthropology meeting

The 48th Annual Meeting of the American Association of Physical Anthropologists was held in San Francisco April 4-7. Faculty, students, and former students of Penn State's Department of Anthropology chaired seven of the symposia and gave 20 of the papers delivered at the meetings.

Military leave policy

At this time of year, as military reservists and National Guard members make requests for leaves of absence for annual military training duty, the University, in accordance with the law, will grant such leaves without salary, regardless of an individual's length of regular University service.

University policy also provides that if a regular faculty or staff member has six months of regular University service prior to the date of the requested leave, the leave is granted according to the provisions of PS-20 (Leave of Absence for Annual Military Training Duty).

PS-20 provides that a regular faculty or staff member employed on a 12-month basis, whose military base pay is less than his or her University salary would be for the same calendar period covering the leave of absence, will be paid the difference by the University for a period of active duty of at least seven calendar days up to a maximum of 15 calendar days, upon request by the faculty or staff member.

A staff member may elect to use accumulated vacation during the leave. In such instances, the individual continues to receive full salary from the University for the amount of time charged to accumulated vacation.

Artists Series to take mail orders

The Artists Series has changed its policy and will now accept mail orders for series subscriptions to its 1979-80 season from new patrons. Sales begin Tuesday, May 1, daily from 9:30 a.m. to 12:30 p.m. and from 1:30-3:30 p.m. Brochures and order blanks are available at Pine Cottage or the HUB Booth. No phone orders will be accepted.

Fall Term preregistration May 3

Advisors should note that students who do not plan to enroll for Summer Term but who wish to preregister for fall classes may do so by filing preregistration forms with the Records Office, Room 112 Shields Building, between May 3 and 25.

Preregistration for Fall Term classes may also be carried out during Summer Term registration or from June 8 through July 13 in 112 Shields.

Arts festival at Altoona Campus

ARTS '79, the annual spring arts festival sponsored by the Blair County Arts Foundation and Penn State's Altoona Campus, will be held Friday, May 4, through Sunday, May 6.

ARTS '79 will reflect the color, quality and pageantry of past festivals, featuring a children's art tent; crafts and crafts workshops; juried arts, crafts and photography exhibits; the performing arts; ethnic food booths; and high school art displays.

Scholars Program director sought

The University is seeking a faculty member to serve approximately half time as director of the University Scholars Program.

The program, which was approved by the Faculty Senate, is designed to provide "special opportunities for superior students."

The Senate recommended to President Oswald that the program "include existing honors programs and other college and campus activities that foster academic excellence in undergraduate education. In addition, the University Scholars Program would provide opportunities for colleges and campuses to develop proposals for new programs and activities to promote academic excellence and to serve the needs of academically gifted students, including special courses and sections. Finally, the University Scholars Program would provide for the identification of students with high potential for academic achievement at all locations and for a communications network that would foster their awareness of and participation in special programs, activities and events being made available for them at Penn State."

The Director, working closely with the Vice President for Undergraduate Studies, will be asked to define the program more fully and consider the best possibilities for implementation.

Candidates should be accomplished scholars, should have experience and interest in working with superior undergraduate students, and should be able to provide imaginative and flexible leadership in the design and implementation of the program. Administrative ability is also desirable.

Nominations and applications should be sent by May 18 to Dr. Robert E. Dunham, vice president for undergraduate studies, Room 117 Old Main, University Park, PA 16802.

Continuity assured

(Continued from page 1)

with Penn State the process of taking the necessary steps to initiate an associate degree nursing degree program at Villa by the fall of 1980. Assuming the success of this effort, students enrolling at Behrend this fall may transfer into the other program.

If no new associate degree nursing program is approved by the State Board of Nurse Examiners, Dr. Eddy said that Behrend would continue its associate degree program through 1981 for purposes of graduating the freshmen starting in the fall of 1979.

This has been made possible through an agreement for continuing support arranged between the University and Hamot Medical Center. Hamot has agreed to pay Penn State \$100,000 for the 1979-80 academic year, in accordance with its existing contract. If Behrend continues the program through the 1980-81 academic year, Hamot will underwrite the Behrend program in the amount of 50 percent of the direct costs for the year up to a maximum of \$50,000.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

April 26-May 6

Special Events

Thursday, April 26

Gentle Thursday, HUB Lawn, through 10 p.m.
Un-Common Theatre perform, Jules Feiffer, *Hold Me!* 8 p.m., Room 112 Kern. Also April 27

Friday, April 27

Arts & Architecture Student Council, "Penn State Expressions," visual arts, dance, music, 9 a.m.-4:30 p.m., Old Main Patio. Rain date, May 4

Medieval Mediterranean World, A.L. Udovitch, Princeton, on "Islam and the Jews in the Middle Ages—An Example of the Islamic View of Differences," 10 a.m.; Parviz Morewedge, Baruch College & Fordham Univ., on "The Mystical Self, Existence and the Ultimate Being in the Islamic, Graeco, and Hebraic Traditions of the Mediterranean World," 2 p.m., both in Room 101 Kern.

Phi Kappa Phi banquet and initiation, 5:30 p.m., HUB Ballroom.

Spring Week Carnival, 6 p.m.-midnight, IM Fields.

East Asian Studies film, *Princess Yan Xuefei*, Japanese with English subtitles, 7:30 p.m.; 11 a.m. 101 Chambers. Free. Also April 28. Artists Series, Minnesota Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 28

Little International Livestock Show, 8 a.m.-5 p.m., University Feed and Sheep Center.
Penn State Veterans' Statewide Softball Tournament, Blue Golf Course-IM softball fields, with U.S. Senator John Heinz (R-Pa.) presenting trophies to winners. Through April 29.

Sports: men's golf, Nittany Lion Invitational, through April 29; soccer, vs. Indiana (Pa.), 1 p.m.; softball, vs. Ohio State, 2 p.m.; vs. Slippery Rock, 4 p.m.; men's lacrosse, vs. Hofstra, 7 p.m.

German students play, Curt Goetz, *Ausbruch des Weltfriedens*, 3 p.m., HUB Assembly Hall.

Spring Week Carnival, 3 p.m.-midnight, IM Fields.

Un-Common Dinner Theatre, dinner, 6:30 p.m.; *Hold Me!* 8 p.m., Rooms 102 and 112 Kern. Also April 28.

Percussion Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Sunday, April 29

Sports: softball, vs. Ohio State (2), 10:30 a.m.; men's tennis, vs. Maryland, 1 p.m.

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Christian Athletes Fellowship.

Beta Sigma Beta/Sy Barash Regatta, 11 a.m., Stone Valley. Rain date, May 6.

Los Smith, soprano, 3:30 p.m., Music Bldg. Recital Hall.

Edwin Barker, principal bassist, Boston Symphony, 8:30 p.m., Music Bldg. Recital Hall.

Monday, April 30

First day for signing Summer Term NDLS and University Long Term Loans, Room 108 Shields.

Kern Commons, The American Metamorphosis films, "House of Man: Our Changing Environment" and "Automatis 2000," 11 a.m.; lecture, J. Carroll Dean on "Energy Conservation and Sources," noon, both Kern Lobby.

Shakespeare film, *Hamlet* (Williamson), 6:30 p.m., Room 101 Chambers. Free.

France-Cinema, *Voyage to Grand Tarterie*, 7 and 9 p.m., Room 112 Kern. Also May 2.

P.A. Educational Research Assoc., Education Secretary Robert G. Scanlon on "Education Futures in Pennsylvania," 7 p.m., Nittany Lion Inn.

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Daniel Callahan, director, The Hastings Center, on "The Hastings Center Project on the Teaching of Ethics."

James Q. Wilson, Harvard Univ., on "Sources of Reform in American Political History," 8 p.m., Room 124 Sparks.

Penn State Glee Club and Univ. of Michigan Glee Club, Joint Concert, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, May 1

Fixed date for meetings involving Commonwealth Campus Faculty.
Red Cross Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom. Also May 2.

James Q. Wilson, Harvard Univ., on "Politics of Regulation," 9:30 a.m., Room 204 HUB. Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Daniel Hoffman, poet in residence, Univ. of Pa., on "The Belated Influence of French and Spanish Surrealism on American Poets."

Kern Commons, The American Metamorphosis seminar, Geoff Godbey, recreation and parks, on "Decreasing Work Week—Increasing Leisure Time," 12:15 p.m., Kern Lobby.

Sports: softball, vs. Edinboro (2), 2 p.m. University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Phi Sigma Iota/Spanish, Italian & Portuguese Lecture, 4:15 p.m., Room 101 Kern. Maria Luisa Nunes, Univ. of Pittsburgh, on "The Utopian Theme in Brazilian Literature."

Kern Commons films, *Animal Farm* and 1984, 7 and 9 p.m., Room 112 Kern.

African Student Assn., Week of Africa Symposium, "The African Woman: Dynamic Moves for Development," 7 p.m., Room 115 EE East.

IAHS visitor, Daniel Hoffman, poet and former poetry consultant to the Library of Congress, reads from his own works, 8 p.m., Room 101 Kern.

Wednesday, May 2

Last day for signing Spring Term NDLS and University Long Term Loans, Room 108 Shields.

Kern Commons, The American Metamorphosis film, "Things to Come," noon, Kern Lobby.

Sports: baseball, vs. Buffalo (2), 1:30 p.m.; men's lacrosse, vs. Loyola, 3 p.m.

Week of Africa Symposium, "Views of Africinity: Positive Thoughts for Development," 7 p.m., Robeson Cultural Center, Walnut.

Artists Series film, *It Happened One Night*, 8 p.m., Schwab.

University Theatre, *A Midsummer Night's Dream*, student preview, 8 p.m., The Playhouse.

Symphonic Wind Ensemble, chamber music, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 3

MBA Panel Presentations, 9 a.m.-noon, Room 101 Kern.

Kern Commons, The American Metamorphosis seminar, Leila Moore on "The Future of Women in Education," 12:30 p.m., Room 101 Kern.

University Libraries Lecture, 2:15 p.m., Tower Room, Pattee. Marcia Friedman, librarian and president, AAUP, on "A Trans-Atlantic Analog: English University Librarians Over Four Decades."

Week of Africa Symposium, "Understanding the African: Planning Strategies for a Changing Africa," 7 p.m., Room S-209 Henderson.

University Theatre, William Shakespeare, *A Midsummer Night's Dream*, 8 p.m., The Playhouse. Also May 4, 5, 8, 12.

Friday, May 4

Kern Commons, The American Metamorphosis film, "Toward the Future," noon, Kern Lobby.

Sports: softball, EAIAW Satellite Regional, through May 5; men's tennis, vs. Mercyhurst, 3 p.m.; soccer, vs. Rutgers, 7 p.m.

Commonplace Theatre, *Halloes*, 7 and 9 p.m., Room 112 Kern. Also May 6.

IAHS/Dept. of Theatre & Film, Pat Carroll in premiere performance of one character play, *Gertrude Stein*, 8 p.m., The Pavilion Theatre. Also May 5.

Penn State Brass Choral, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 5

Penn State Dairy Exposition, 8 a.m.-5 p.m., University Dairy Barns.

Sports: women's golf, Lady Lion Invitational, through May 6; women's lacrosse, Central Penn Tournament, through May 6; soccer, vs. Alumni, 10 a.m.; Blue-White football game, 2 p.m., Beaver Stadium; African Student Assn. soccer, vs. Turkish Eleven, 5 p.m., Pollock Field.

College of Science Student Council, "Science Expo '79," 10 a.m.-5 p.m., programs, map and guided tours, Osmond Lobby.

France-Cinema, *Goalie's Anxiety at the Penalty Kick*, 7 and 9 p.m., Room 112 Kern. Also May 7.

Astronomy Club Sky Watch, 8:30-10 p.m., roof of Davey Lab.

Sunday, May 6

University Chapel Service, 11 a.m., Eisenhower Chapel. Rabbi Gary M. Klein, Temple Beth Israel, Allentown, speaker.

Sports: men's tennis, vs. Temple, 1 p.m.; baseball, vs. Pittsburgh (2), 1 p.m.
Week of Africa, Dinner and Cultural Show, 6 p.m., Robeson Cultural Center, Walnut.

Seminars

Friday, April 27

Analytical Chemistry, H.A. Clark, graduate student, on "Simulation of Mass Spectra," 11:10 a.m., Room 333 Whitmore.

Psychology, Ross Parke, Univ. of Illinois, on "Fathers and Sons Revisited," 3:45 p.m., Room 107 Chambers.

Physical Chemistry, Robert Grimley, Purdue Univ., on "Characterization of High Temperature Vapors by Angular Distribution Mass Spectrometry," 4 p.m., Room 333 Whitmore.

Monday, April 30

Biochemistry and Biophysics, Alan Peterkovsky, NIH, Bethesda, on "Transport—System Dependent Regulation on Cyclic-AMP Levels in E. coli," 3:55 p.m., Room 101 Althouse.

Genetics, Andrew Kramer, graduate student, on "Inheritance of Complex Human Traits," 3:55 p.m., Room 111 Tyson.

Entomology, Stephen Welch, Kansas State Univ., Manhattan, on "Implementing and Delivering Insect Pest Management Systems with Emphasis on Timing Models," 4 p.m., Room 8 Mueller.

Whitmore Lecture, Jean-Marie Lehn, Louis Pasteur Univ., on "Cryptates: The Chemistry of Macrocyclic Inclusion Complexes and the Design of Molecular Receptors, Carriers, and Catalysts," 4:15 p.m., Room 333 Whitmore.

Tuesday, May 1

Plant Pathology, Susan Newhart, graduate student, on "Root Exudates and Their Effects on Soil Microorganisms," 9:45 a.m., Room 213 Buckhout.

Biology, Craig Adler, Cornell Univ., on "Sensory Aspects of Amphibia Migration," 11:10 a.m., Room 112 Buckhout.

Whitmore Lecture, Jean-Marie Lehn, on "Cryptates," 12:45 p.m., Room 333 Whitmore.

Solid Waste Management, Roger Granlund, health physicist, on "Radioisotope Handling and Disposal at the Breazeale Nuclear Reactor," 2:20 p.m., Room 62 Willard.

Engineering Science and Mechanics, Michael J. Trinko, Goodyear Tire Co., Akron, on

"Computer Methods in Tire Engineering," 4 p.m., Room 233 Hammond.

Inorganic Chemistry, Esther Spiro, graduate assist., on "Metal Ion Catalysis of ATP Hydrolysis," 8 p.m., Room 333 Whitmore.

Wednesday, May 2

Whitmore Lecture, Jean-Marie Lehn, on "Cryptates," 4:15 p.m., Room 333 Whitmore.

Thursday, May 3

Whitmore Lecture, Jean-Marie Lehn, on "Cryptates," 11:15 a.m., Room 333 Whitmore.

Chemistry, Marshall Lapp, General Electric Co., on "Study of Flames by Raman Spectroscopy," 12:45 p.m., Room 333 Whitmore.

Geosciences, David Wones, Virginia Polytechnic and State Univ., on "Recent Investigations of the Geology of Eastern Maine," 3:45 p.m., Room 22 Deike.

Physics, Robb Thomson, National Bureau of Standards, on "Fracture in Materials as an Important Applied Problem," 3:50 p.m., Room 117 Osmond.

Meteorology, Rao Madala, Naval Research Lab., on "Three Dimensional Modeling of Tropical Cyclones," 3:55 p.m., Room 112 Walker.

Friday, May 4

Analytical Chemistry, O. Popovych, City Univ. of New York, on "Correlation of Analytical Measurements in Different Solvents," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Art Education Undergraduate Student Show, all media, opens April 30.

Kern Commons Gallery: Photo/Graphics, printmakers using photography techniques, through April 28; American Drawings II, original drawings by American's leading artists, through May 1; African Art and Costumes, through May 6; Alex Fletcher Memorial Art Center, Traveling Exhibition, examples of Western Pa. art styles, opens April 19, Lionel Reiss, etchings, May 1.

HUB Gallery: Diette Toone, pastels; African Stamps and Coins, through May 6.

Museum of Art: Chinese paintings and mounted rocks, through May 6; Alumni Gifts 1972-1979.

Zoller Gallery: Graduate Theses Exhibitions.



"Brooklyn Bridge," an etching by John Marin, is part of Museum of Art's Alumni Gifts show. It was donated by Dr. Harold E. Dickinson, professor emeritus of art history and class of '22 (B.S., architectural engineering).

Something for everyone as Spring Terms rolls along

Tomorrows programs take a look at future

The Penn State Science Fiction Society, together with the Science, Technology, and Society program, will present Tomorrows, a week-long series of events to take place from May 4 to 9. The purpose of the program is to stimulate an awareness of the future and how to prepare for it.

Among Tomorrows' events is "Bride of Paracorn," a science fiction convention that will be held the weekend of May 4 at the Sheraton Penn State. Also planned for that weekend are Sun Day, an Eco-Actions' program devoted to solar energy, and Science Expo '79, an open house sponsored by the College of Science.

Monday, May 7, at 3:30 p.m. Dr. Marshall Kaplan, professor of aerospace engineering, will speak on "Space Shuttle: Wings to the Future" in the HUB Assembly Room.

Science fiction writer Theodore Sturgeon, winner of the prestigious Hugo and Nebula awards, will discuss "Science Fiction: A Medicine for Future Shock" at 8 p.m. in the HUB Ballroom.

Videotapes made by Science, Technology, and Society faculty will be shown in the HUB Lounge on Tuesday, May 8. That evening at 7 p.m. Philip Klass, professor of English and a noted science fiction writer, will chair a panel on "Futurism: Preparing for Tomorrow Today" in the HUB Assembly Room.

This will be followed by a talk by social critic and author Richard Barnett on "Nuclear Disarmament: The Issue of Security," under the sponsorship of the Centre Region Coalition Advocating Nuclear Disarmament.

The program will conclude Wednesday evening, May 9, with a panel on "America's Future: The Axis of World Powers?" Richard Barnett is also featured on this panel, which will be held at 7:30 p.m. in the HUB Assembly Room.

Three symposiums planned on African development

The African Studies Association will sponsor its annual Week of Africa May 1 through 6. Three symposiums on African development will be presented.

Tuesday, May 1, at 7 p.m. in Room 115 Electrical Engineering Building East, "The African Woman: Dynamic Moves for Development" will explore the various stages of traditional and modern cultural development of female roles in Africa.

A second symposium, "Views of Africa: Positive Thoughts for Development," will be held Wednesday, May 2, at 7 p.m. in the Paul Robeson Cultural Center. It will examine various cultural stereotypes about Africa.

The third symposium, "Understanding the African: Planning Strategies for a Changing Africa," will be held Thursday, May 3, at 7 p.m. in S-209 Henderson Human Development Building.

African Week will continue on Sunday, May 6, with a dinner and cultural show in the Robeson Center at 6 p.m. Foods from all parts of Africa will be served. The cultural show will consist of dancing, poetry readings, a short play, music and other activities. Tickets for the dinner are \$3.

From April 23 through May 6, two art shows will be on display. "African Art and Costumes" will be on exhibit in the Commons Gallery in the Kern Graduate Center, and "African Stamps and Coins" will be shown in the HUB and the Robeson Center.

A few Minnesota tickets left

A very limited number of tickets are available for the Minnesota Orchestra's performance on Friday, April 27, at 8:30 p.m. in Eisenhower Auditorium.



The University of Michigan Glee Club

The orchestra's program, sponsored by the Artists Series, will include Shostakovich's Symphony No. 1 in F Minor, opus 10, and Schubert's Symphony No. 9 in C Major (The Great Symphony).

Under the direction of Stanislaw Skrowaczewski since 1960, the Minnesota has been recognized by the New York Times as being "among the nation's top six or seven orchestras in quality and probably the most important regional orchestra anywhere."

Mr. Skrowaczewski is a former music director of the National Philharmonic of Warsaw, Poland, and appears regularly with leading orchestras, including those in Cleveland and Philadelphia and the New York Philharmonic.

Tickets for Friday's concert are on sale from 9 a.m. to 1 p.m. at the HUB booth only. If any remain, they will be sold at the door on the night of the performance.

Poet to visit campus, read from works

Daniel Hoffman, American poet and former poetry consultant to the Library of Congress, will visit the University next week as the guest of the Institute for the Arts and Humanistic Studies.

Now poet-in-residence at the University of Pennsylvania, he will read from his own work at 8 p.m. on Tuesday, May 1, in Room 101 Kern Building. The program, part of the Hoffman Colloquium, is open to the public.

Mr. Hoffman will also discuss the influence of French and Spanish surrealism on American poets at 1 p.m. on May 1, preceded by the Comparative Literature Luncheon, which begins at 12:15 p.m., at the Hotel State College. Both events are open to the public.

Mr. Hoffman is the author of books on Edgar Allan Poe and on the legendary John Bunyan, and is a contributor to the forthcoming *Harvard Guide to Contemporary American Writing*.

Lehn to deliver four Whitmore lectures

Dr. Jean-Marie Lehn, professor of chemistry at Louis Pasteur University, Strasbourg, France, will present the fourth annual series of Frank C. Whitmore Lectures at the University April 30 to May 3.

The lectures, sponsored by the Department of Chemistry, are open to the public.

Dr. Lehn's subject for the four lectures will be "Cryptates: The Chemistry of Macropolymeric Inclusion Complexes and the Design of Molecular Receptors, Carriers, and Catalysts." The lectures will be held in Room 333 Whitmore Laboratory at the following times: Monday, April 30, at 4:15 p.m.; Tuesday, May 1, at 12:45 p.m.; Wednesday, May 2,

at 4:15 p.m.; and Thursday, May 3, at 11:15 a.m.

Dr. Lehn is probably best known for the design and synthesis of cryptates, "cage" molecules that have been used as chemical models for ion transport in biological membranes.

He is also known for his contributions to dynamic nuclear magnetic resonance, theoretical organic chemistry, and molecular receptors and catalysts. More recently he has also studied transport processes in organic chemistry and chemical storage of light energy.

Dr. Lehn has been honored with the Bronze and Silver Medals of the French National Center of Scientific Research and the Adrian and Raymond Berr Prizes of the French Chemical Society.

In addition, he has held more than 35 lectureships throughout the world and has served as visiting professor of chemistry at Harvard University since 1974.

The Whitmore Lecture series was established in 1976 to honor the late dean of Penn State's School of Chemistry and Physics, the forerunner of the College of Science.

Hindemith, Gounod on Wind Ensemble program

The University's Symphonic Wind Ensemble will present a program of chamber music at 8:30 p.m. Wednesday, May 2, in the Music Building Recital Hall.

For their concert, the chamber musicians have selected Paul Hindemith's *Septet for Wind Instruments* and *Petite Symphonie* by Charles Gounod, composed for the French Society of Chamber Music in 1885.

Also on the program are *Fantasies on a Theme by Haydn* by Pulitzer-Prize-winning American composer Norman Dello Joio and *Journal de Printemps* by Johann Fischer, a predecessor of Bach. The piece is a suite with several dance movements.

Smith Toulson III, associate professor of music, conducts the Symphonic Wind Ensemble.

Boston bassist to play

A recital by the principal bassist of the Boston Symphony, Edwin Barker, will be presented at 8:30 p.m. Sunday, April 29, in the Music Building Recital Hall.

Mr. Barker will perform Bach's Second Viola Da Gamba Sonata, Schubert's *Arpeggione Sonata* and the Second Concerto for Double Bass by Bottesini. Phillip Ulzer, a pianist on the music faculty at Boston University, will accompany Mr. Barker.

At 25, Mr. Barker is the youngest principal bassist ever to perform for the Boston Symphony. Now in his second year in Boston, he also performed for one year with the Chicago Symphony. He is a 1976 graduate of the New England Conservatory of Music, where he studied with Henry Portnoy.

Penn State, Michigan Glee Clubs to sing together

The University of Michigan Glee Club will join Penn State's Glee Club in a concert at 8:30 p.m. Monday, April 30, in the Music Building Recital Hall.

The Penn State ensemble will open the program with the "Drinking Song" from "Sir John in Love" by Ralph Vaughan-Williams, followed by Benjamin Britten's "Ballad of Little Musgrave and Lady Barnard." David Hudson, tenor, will also perform two numbers.

The Hi-Los will sing during the second part of the program. They will be followed by the Michigan Glee Club, whose program includes William Byrd's "Non vobis relinquamus orphanos," "No Man is an Island" by George Mead and Jester Hairston's arrangement of "Elijah Rock." The Friars, Michigan's Hi-Los' counterpart, will sing selected numbers for the concert.

At the conclusion of the concert, the two groups will join for "Brothers Sing On" and each glee club will perform its University's alma mater.

The 120-year-old Michigan group, composed of graduate and undergraduate students from every college in the University, has toured Europe five times. It is directed by Leonard Johnson, an assistant professor of voice at Michigan.

Bruce Trinkley, associate professor of music, directs the Penn State Glee Club, which celebrated its 90th anniversary this year.

Government professor to speak

James Q. Wilson, Henry Lee Shattuck professor of government at Harvard University, will speak at the University, Monday, April 30, and Tuesday, May 1.

"Sources of Reform in American Political History" will be Prof. Wilson's topic at 8 p.m. Monday in Room 124 Sparks Building.

On Tuesday, at 9:30 a.m. he will speak on "Politics of Regulation" in the George Donovan Room, Room 204 HUB.

The lectures are sponsored by the Institute for Policy Research and Evaluation and the Department of Political Science.

Students put on German work

Ausbruch des Weltfriedens, a comedy about the Cold War of the 1950s, will be performed by students in the German Department Saturday, April 28, at 3 p.m. in the HUB Assembly Hall.

The play, which will be performed in German, was written by Curt Goetz (1888-1960). Literally translated, its title means "A Breakout of World Peace."

The play centers on an English ambassador's worry that his position will be politically weakened if world peace is established.

Goetz's plays were popular in Germany at the time of the Weimar Republic. He emigrated to California in 1933, just before the Nazi Party gained control of Germany.

Penn State's 1979-80 Appropriation Request

Editor's note: This is the third in a series setting forth the University's funding request as presented by President Oswald to the House and Senate Appropriations Committees.

THE QUESTION OF EQUITY

It is important that the Commonwealth recognize the different functions performed by the several segments of higher education and the related resource requirements. Graduate and professional education, research and special programs such as agricultural research and cooperative extension have resource requirements considerably greater than those of the other segments of higher education.

Specialized laboratories and sophisticated research equipment are required. In many cases, closer involvement of faculty with students at advanced levels is essential. All of this requires a highly qualified faculty and more costly supporting facilities.

Even though Penn State educates by far the largest number of students of any college or university in Pennsylvania, its appropriation per student is significantly lower than most. Because it receives the largest state appropriation, some may feel that Penn State's needs are not as real or that the University can absorb cost increases more easily than smaller institutions. It is true that size does permit some economies, and Penn State has worked for many years to achieve an efficient and cost-effective operation.

On the other hand, the University's appropriation supports not only undergraduate, but graduate instruction, and also agricultural research, the Cooperative Extension Service, other organized research, and medical education. Penn State carries special responsibilities for certain of these more expensive functions not carried by other educational institutions in Pennsylvania. The resources needed to support these programs at quality levels must be recognized and provided.

Size alone cannot explain the differences in the appropriations per full-time equivalent student (figures shown in Table II). In 1978-79, the State-owned institutions received an average of \$2,399 per student, while Penn State received only \$1,880 per student. If the State support for Penn State's more expensive specialized programs in agricultural research, Cooperative Extension, and medical education were excluded from the support-per-student calculations, Penn State received only \$1,368 per student, or 53 percent less than the average for the State-owned institutions.

In Figure 3, it can be seen that Penn State's Commonwealth appropriations have not kept pace with inflation in recent years. As a result, tuition charges to Penn State students and their families have escalated sharply, in excess of the general rate of inflation.

On the other hand, State appropriations for the State-owned institutions have exceeded the general rate of inflation since 1972-73 (Figure 4), enabling these institutions to keep tuition increases below increases in inflation.

We believe these figures demonstrate graphically a lack of equity over the last several years.

RESEARCH

Penn State's research program is a major means by which the University responds to the needs of the State and to its Land-Grant mission. The research program seeks practical answers to the social, technological, and economic problems confronting the State and the Nation. Penn State researchers have recorded many achievements in the areas of agriculture, natural resources, earth and mineral sciences, and engineering. New challenges face Pennsylvania today. Energy, the

TABLE II
Appropriations Per Equivalent Full-Time Student (EFTS)

Fiscal Year	State-Owned Institutions	Penn State (All Functions)	Penn State (Excludes Ag. Research, Cooperative Ext., & M.D.)
1978-79	\$2,399	\$1,880	\$1,568
1976-77	2,175	1,750	1,453
1974-75	1,818	1,585	—*
1972-73	1,352	1,512	—*

*Not Available.

SOURCE: EFTS and appropriation data obtained from Governor's Executive Budget Documents, 1974-75 through 1979-80.

environment, and health represent major problem areas in which Penn State's research programs seek solutions.

The dedication of a portion of the University's total agricultural resources to ongoing organized research activities enables it to maintain the essential elements of a successful research program. Research supported from General Funds enables the University to operate the Agriculture Experiment Station, where the long-range economic contributions to the State in agriculture and food sciences have been immense. To name a few: (1) a mushroom nutrient developed by the Agriculture Experiment Station has increased the growth yields by 40 percent; (2) approximately one-third of the corn acreage planted in Pennsylvania has been converted to the no-till process, saving time, cutting fuel costs by 50 percent, and nearly eliminating soil erosion; (3) research with breeding of dairy cows has led to significantly increased milk production, and crossbreeding of beef cattle has resulted in a 15 percent increase in the sales value of the weaned calves.

Other major research efforts which are supported in part by the General Funds research budget include:

- The Pennsylvania Transportation Institute — to help solve State, and national transportation problems. Institute researchers have tested road and bridge materials and recommended new State specifications to PennDOT. Driver fatigue studies, methods of increasing bus ridership, and recommendations on how to increase railroad freight haulage are other examples of the Institute's research. Pennsylvania's new Secretary of Transportation is the former director of this Institute.
- Materials Research Laboratory — for more than a decade, Penn State has been recognized as a leader in research to find safe disposal methods for nuclear wastes. Among the other varied efforts of the Laboratory are the development of new kinds of capacitors, highly visible highway striping paints, and advances in bone and tooth implants.
- Center for Air Environment Studies — The Center conducts, for example, animal studies of particulates and gases at levels inhaled by human-beings; studies of performance of alternate diesel engine fuels; reduction of respirable silica in foundries. The Center also houses the Visible Emissions School through which air quality inspectors of the State Department of Environmental Resources are trained.
- Land and Water Resources Institute — The Institute coordinates and conducts studies pertaining to the use, management, conservation, and development of land and water resources. Institute research on water conservation methods has helped Gettysburg avoid a no-construction ban because of an overtaxed sewerage system. Experiments with a bacterial method of purifying acid mine water also are being conducted.

• Human Performance Laboratory — Scientists apply physiology techniques to learn more about man's tolerance to environmental stress and physiological and behavioral limits. Researchers outline the preventive aspects of exercise, and have tested emergency equipment for firemen and miners to determine the most effective equipment.

It is essential to maintain a cadre of highly trained and specialized researchers in technological and scientific areas vital to the economic and social development of the Commonwealth. That cadre, along with the general faculty, enables the University to maintain its advanced graduate programs and to attract substantial outside support for research. In 1977-78, over \$54 million in sponsored research grants and contracts and Federal appropriations were generated by Penn State faculty members, in part because of the \$16 million State appropriation investment in organized research.

supplemental appropriation of \$1,000,000 for 1979-80. These funds would allow the Cooperative Extension Service to avoid further cuts and to maintain stable operations at the 1978-79 level. Even with this added support, no new programs are contemplated, and no new services can be initiated.

The deficit situation in the Cooperative Extension program has been growing since 1972-73. In recent years, the problem has been resolved by using salary savings from vacant and collapsed positions to cover the deficit. This cannot continue if Cooperative Extension is to remain an effective force in Pennsylvania.

As shown in Figure 5, the professional staff of the Cooperative Extension Service has been reduced by 19.5 percent over the past six years. The number of paraprofessional nutrition aides has dropped by 44.3 percent. Substantial further personnel reductions, which would be necessary to cover the anticipated 1979-80 operating deficit, would cripple a program which touches the lives of more than two million Pennsylvanians each year. One out of every six people living in this State made contact with the Cooperative Extension Service in 1977-78.

Any resident of the Commonwealth can tap the Penn State University pipeline of information and education through the Cooperative Extension Service. Extension Agents (teachers) and classrooms are located where people need assistance — in their local communities. Practical assistance to solve everyday problems is offered through educational programs, conferences, workshops, consultations, demonstrations, publications, and the mass media of newspapers, radio, and television.

% DECREASE IN COOPERATIVE EXTENSION SERVICE STAFF SINCE 1972-3

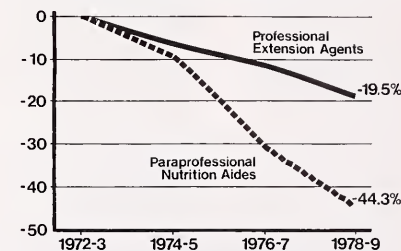


Figure 5

COOPERATIVE EXTENSION SERVICE

The financial problems of the Cooperative Extension Service have been especially severe in recent years. Cooperative Extension faces the clear prospect of a net operating deficit of almost \$1,000,000 in 1979-80, even with the recommended five percent appropriation increase. This would necessitate the elimination of an estimated additional 65 professional positions. In order to avoid the disruption to county extension programs that would result and to sustain essential services, the University respectfully requests consideration of a

Helping people help themselves is Extension's mission. The Extension operation, through offices in every county, helps people in urban as well as rural areas through programs in family living, 4-H/youth development, agriculture, natural resources, and community development.

Statistical information rarely reflects the true value of a service to citizens of the Commonwealth. It may be helpful, however, to identify a few specific examples of assistance offered and received by Pennsylvanians through Extension during the past year.

• More than 204,000 individuals asked Extension for information on vegetable gardens and home lawns in fiscal 1977-78, an increase of about one-third over the previous year.

• 4-H programs reached over 164,000 youth — ages 8 through 19 — through 4-H clubs, schools, agencies, and television across Pennsylvania. The 4-H youth also worked with about 3,000 mentally and physically handicapped children, providing educational and social experiences for the handicapped.

• In the area of production agriculture, a poultry manure management system developed by Extension has returned \$6 million to Pennsylvania poultrymen. Improved spraying practices recommended by Extension saved potato growers \$900,000 and resulted in the use of 110,000 less pounds of insecticides.

• Animal nutrition programs recommended by Extension yielded an average of \$50 per cow greater return or a total of \$9.5 million per year for the Commonwealth's important \$800 million dairy industry.

• In the Expanded Food and Nutrition Education Programs, Nutrition Aides assisted

(Continued on page 6)

PSU % CHANGE IN TUITION, INFLATION, & APPROPRIATION SINCE 1972-3

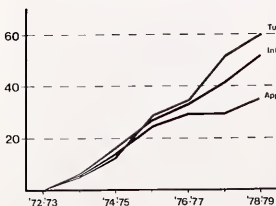


Figure 3

STATE-OWNED INSTITUTIONS % CHANGE IN TUITION, INFLATION, & APPROPRIATION SINCE 1972-3

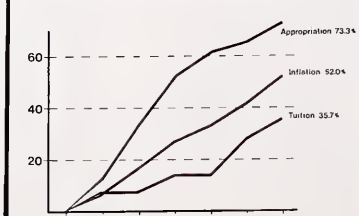


Figure 4

"The Climate for Research" — A Senate Report



Introduction

The University's missions to provide instruction, research, and public service are well recognized, both within the University and within the public at large. Its instructional program is highly visible, serving students across the State and across a wide spectrum of interests, objectives, and backgrounds. Its public service program, not so apparent as its instructional program, is still highly visible, particularly in its Extension and Continuing Education activities. Its research programs, the least visible of the three, likewise enjoy the support of most members of the University. While the public may be aware of some applied research activities, few have any awareness at all of the more fundamental work in basic research that underlies not only the more visible applied research but the instructional and service programs as well.

During a time of uncertain funding, uncertainties within priorities inevitably develop. The process of retrenchment dramatizes and exacerbates this condition. The Senate Committee on Research believes that the research program of the University is strong. It is forced to acknowledge, however, that over the past 10 years growth and development have not been maintained as consistently as is desirable. For example, while the total research budget grew from approximately \$33 million in 1968 to approximately \$57 million in 1978, when adjusted for inflation this "growth" becomes a net loss of nearly \$1 million. As the University reconsiders its priorities to meet the realities of the future, the Senate Committee on Research urges that the University reassert the fundamental importance of research, that it seek ways to make research more visible, both within as well as without the University, and that it seek ways to stimulate further growth in research throughout the University.

Recommendation

As a step toward realizing this broad objective,

the Senate Committee on Research offers the following specific recommendations, addressed to the President.

1. That a Research Recognition Program be established to recognize and reward faculty who have demonstrated outstanding levels of accomplishment in research and scholarship.

2. That an incentive program be established through allocations to units on the basis of volume of sponsored research funds generated to encourage and support attempts to develop additional outside support for research.

Discussion

1. The Committee urges the establishment of an annual Research Recognition Program, analogous to the Lindback Program for excellence in teaching, to recognize faculty who have achieved outstanding levels of accomplishment in research and scholarship. We would suggest that such awards be made throughout the University system. To achieve the maximum recognition and prestige, the awards should recognize individuals nominated by individual colleges and locations, but selected at the University level. For Commonwealth Campuses, the Behrend College, the College of Medicine, and the Capitol Campus, perhaps the outstanding scholar/researcher at each could be recognized, subject to University-level review. For University Park faculty, nominees should come from the colleges, but awards should recognize outstanding achievement within traditional designated areas of scholarship. We recommend that these awards carry some monetary award and that funds be sought from sources outside the general budget for this purpose.

2. The Committee wishes to affirm its recommendation of September, 1977, and urges that an incentive program be initiated to encourage and support additional attempts to secure outside resources for research. While not all research and creative activity require outside support, the vast majority does. Last year,

University funds and state appropriations accounted for approximately 20 percent of the total research budget. With our current inflation, the University must enlist and support the efforts of its faculty to obtain additional resources, just to stay even. To obtain the resources necessary to explore promising new areas of research will require even greater effort.

The Committee recommends that the incentive program take the form of distribution of resources to units proportional to the volume of outside research funds generated by the unit. Appropriate expenditures would include the purchase and maintenance of research equipment and the support of activities directed at obtaining additional outside support or other activities approved by the Provost.

While the Senate Committee on Research would desire that this program be budgeted on a continuing basis, it believes that this program is of such importance that it should be initiated through the use of temporary funds and maintained on a year by year basis. While these resources currently provide valuable assistance to many worthwhile activities, the Committee believes that this investment in our most productive research program will encourage their already vigorous efforts even more. The resultant gains in research that we can anticipate will benefit the University in all of its missions. . . .

COMMITTEE ON RESEARCH

James B. Bartoo
Herbert Cole, Jr., Vice Chairman
Richard G. Cunningham
William L. Enkey
Ed Peters
James M. Lawther
Raymond J. Masters
Cornelius J. McKown
Joseph W. Michels
John B. Smith, Chairman
William D. Taylor
Timothy G. Vonder

Senate

(Continued from page 1)

students, noting that the University is frequently at a disadvantage because it is unable to offer degree programs in many locations and because its tuition rates are higher than those at a number of competing institutions.

A legislative report from the Committee on Committees and Rules asks the Senate to sustain its opinion on the constitutionality of a section of the *Bylaws* which states that a Senator's seat may be declared vacant after four unauthorized absences.

Under the aegis of Curricular Affairs, the Subcommittee to Develop Guidelines for the Implementation of BDR III is announcing that a BDR III Guide will be ready for distribution as a working document on May 3. It has also prepared a revised timetable. (See next column.)

Another Curricular Affairs Subcommittee will offer an informational report on 400-level courses.

"The Climate for Research," a legislative report from the Committee on Research, will be presented to the Senate for discussion. The text of this report appears above.

An informational report on 1979-80 Budget and Planning has been drafted by the Committee on Planning and Development.

Faculty input into the budget and planning process has "begun to increase rather dramatically," the report says. It continues:

"Evolution of the planning process seems to be passing from simply finding money to finding it with the least overall damage to the University. It also appears to involve some use of risk/benefit analysis, now beginning to supersede cost/benefit analysis. Furthermore, it is accompanied by release of more information about the University to the University community as a whole. This last trend makes for more awareness of problems, their solutions, better cooperation, more reliable data for budget decisions and greater appreciation for the efforts of administrative budget and planning officers. . . ."

The report concludes:

"As the Faculty Senate, we are justifiably concerned about impacts of the

budget process on the structure of the University faculty/staff and our collective and individual needs. The reason is simple. From this time on, budget reductions/reallocations will affect extensively the academic payrolls. There is not one sufficiently large pool of money. Pay to individuals must decline (at least in real dollars) or the numbers of faculty/staff must be reduced. Probably both changes can be expected as the compromise solution to enrollments declines and the obvious need to retain and hire highly qualified people. Therefore, it behooves us all to learn what is happening and to evaluate the options in order that the best collective interests of faculty, staff, students and the University are served."

BDR III Report

The tentative timetable of events for BDR III presented at the December 1978 Senate Meeting has been revised as follows:

- 5/1/79 Informational report on the GUIDE and Timetable presented to the Senate
- 5/1/79 BDR III Implementation Subcommittee to meet with College General Education Committees and Consultative Committees to review GUIDE. GUIDE distributed University-wide.
- 5/15/79 The process of consultation between/among appropriate units to prepare the listing of BDR III courses (46 credits) for each undergraduate program will take place.
- 1/15/80 Each undergraduate program will submit in the proper format its proposed BDR III program requirements to the Curricular Affairs BDR III Subcommittee.
- 1/15/80 The Subcommittee will consider each program submitted, accept it, or return it to the appropriate program faculty for revision and subsequent Subcommittee action.
- 4/15/80 The BDR III Subcommittee will submit summaries of programs by University College levels to the Senate Committee on Planning and Development for assessment of BDR III impact.
- 7/1/80 The approval of each total program by the total Curricular Affairs Committee will be completed by the deadline for inclusion in the 1981-82 Undergraduate Catalog (approximately Nov. 1, 1980).
- 10/1/80

Appropriation

(Continued from page 5)

18,000 families to improve their diets and their lives.
*Energy education is carried out in each county in all Extension program areas. In one statewide program, the Extension Service cooperated with the Governor's Energy Council to conduct "Project Conserve." The program attracted about 5,000 people through meetings and many additional thousands through mass media. More than 1,400 individual requests concerning energy conservation were answered last year.
*The Urban Gardening program in Philadelphia affected the lives of 6,000 citizens by helping them grow their own vegetables. Cost savings in fresh vegetables amounted to \$180 per family. There was a substantial decrease in food costs to low-income families who spent as much as 40 percent of their disposable income for food.
*Extension agents and staff met with 28,000 citizens who were required, by federal and state laws, to pass a test and be licensed to use restricted pesticides.
The local county agents and home economists who make these programs and information available to the citizens of the Commonwealth are working rapidly in number. Unless additional funding is received, this erosion will continue.

WPXS Highlights

Saturday, April 28, at 2 p.m., cellist Nathaniel Rosen, the first American since Van Cliburn to win the Tchaikovsky competition, is featured soloist on Previn and the Pittsburgh.

The British Royal Collection — featuring da Vinci, Rembrandts, Waterford glass, and other priceless pieces — is the largest and most valuable private collection in the world. Beginning Sunday, April 29, at 3 p.m., the nine-part series Royal Heritage returns to examine these treasures and give an historical account of the kings and queens who amassed them.

International Competition Gold Medal-winner Fernando Buñones takes the role of the prince whose kiss wakes Princess Aurora (Cynthia Gregory) from a century of sleep when Great Performances presents The American Ballet Theatre's production of Tchaikovsky's *Sleeping Beauty*, Wednesday, May 2, at 8 p.m.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 3, 1979. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT DIRECTOR FOR UNIVERSITY RELATIONS, Shenango Valley Campus Responsible to the Campus Director for organizing and conducting community and university relations programs. This includes public information and relations, University relations, alumni affairs, and gifts and endowments. Bachelor's degree or equivalent, plus two to four years of directly related experience, preferably involving newspaper or journalistic writing and public relations.

COLLEGE HEALTH NURSE — OUT-PATIENT SERVICES — STUDENT AFFAIRS, University Park Responsible to Head College Health Nurse, Out-patient Service, for providing general nursing services and assisting licensed physical and dentists in the Out-Patient area. Graduate from an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience.

OPERATIONS CONTROL SPECIALIST — UNIVERSITY DIVISION OF INSTITUTIONAL SERVICES, University Park Oversees Operations section of examination services, including the work of two test storing clerks, and the operation of a scanner and related equipment. Responsible for quality control of the processing of examinations and student evaluations. Write and revise programs in Fortran and Assembler. Become proficient in a specialized language called Dossier. Bachelor's degree or equivalent, preferably in computer science, and over one year of directly related experience. Knowledge of Fortran and Assembler and experience in programming in these languages, familiarity with test scoring equipment. Good math skills and familiarity with testing procedures.

APPLICATIONS ANALYST/PROGRAMMER — OFFICE OF BUDGET AND PLANNING, University Park Responsible to Systems Analyst or Senior Programmer for conducting analyses of data processing and customer problems, determining detailed requirements to solve problems, formulating logical statements of systems problems, and preparing computer programs to satisfy desired end results as well as final system and program documentation implementation. A Bachelor's degree and one to two years of effective experience in computer programming and analysis is required. Position funded from 7-1-79 to 6-30-80.

SYSTEMS ANALYST — OFFICE OF PLANNING AND BUDGET, University Park Under the direction of the Associate Director analyze and design human resource data systems for University planning, design and program specific application programs to satisfy University Planning and Budget information requirements; formulate and evaluate analytical models using techniques of linear and multiple regression. In programming, design, testing, modification and update existing models; utilize general retrieval languages to satisfy ad hoc information requests (e.g., RFG, GIS, MARK IV, SPSS). B.S. degree in physical or social science, engineering, business administration, mathematics or computer science. M.S. preferred. Two to four years of directly-related experience. Experience with design of management data systems, data retrieval (GIS, EASTRIVE, etc.) and statistical software packages (SPSS, SAS, etc.) or development of analytical models for forecasting enrollments or faculty flow would be extremely useful.

Texas Dean

(Continued from page 1)

University, has had a distinguished career teaching American studies, history, government and the social sciences. She taught at Barnard and Sarah Lawrence Colleges, Cambridge University, Massachusetts Institute of Technology, and American University before joining the University of Texas faculty in 1969 as an associate professor of government. She was named dean of the School of Public Affairs in 1977.

A member of President Carter's Advisory Committee for Trade Negotiations, Dean Rostow is also a member of the National Academy of Public Administration. She has conducted seminars for diplomats and has lectured for the U.S. Department of State in Europe.

Dean Rostow currently serves as director for both the Texas Art Alliance and the Lyndon Baines Johnson Foundation. In 1976 she was appointed a trustee of the College Entrance Examinations Board.

Her publications include three books, as well as numerous articles, reviews and poems.

Penn State Intercom



Spring Week was fun, but finals are only two weeks off.

Administration hopeful about financial picture

The financial health and stability of the University are the most immediate concerns of Penn State's Plan for the '80s, according to Dr. Stanley O. Ikenberry, senior vice president for administration.

Talking Tuesday with representatives from the area news media, Dr. Ikenberry said that the recent budget hearings before the House and Senate appropriations committees were "long but fair to Penn State." He added that the Legislative Committees evinced a "stronger recognition of our problems this year than they have in the past. Taking a long-term view, we're optimistic that the situation may be beginning to turn around."

Another encouraging sign, Dr. Ikenberry noted, is Education Secretary Robert G. Scanlon's receptivity to reexamining the current approach for funding higher education in Pennsylvania.

Dr. Ikenberry stressed the need to achieve equity in funding for Penn State. "By equity" we are talking about a level of support that reflects the University's participation and responsibilities in research, graduate education, The Cooperative Extension Service, the Agricultural Experiment Station, and the several other special public service and research programs. Our funding must recognize these unique aspects."

Especially positive and encouraging, Dr. Ikenberry pointed out, is the increased level of private support now coming to Penn State from private industry and foundations, and particularly from alumni and friends.

The goal of the Penn State Fund Council to double the amount of private support from the annual \$5,000,000 level in 1975 to an annual \$10,000,000 in 1980 may be achieved a year early, by June 30 of this year, he noted.

"One key aspect in achieving this is the support received from alumni," he said. "Last year, alumni support was up by 30 percent; and at the end of this March, it was running 88 percent ahead of last year."

Nevertheless, the degree of support by private industry and foundations for research at Penn State is "an area that can grow," Dr. Ikenberry said. "We have to become more aggressive on the

departmental level in seeking support from these sources."

A decrease in federal funding to some areas of the University will present immediate problems, Dr. Ikenberry explained. "We're facing a prospect of a \$354,000 cut in federal support to Cooperative Extension. The loss in purchasing power will amount to nearly \$1 million."

The elimination of federal support for nursing education will mean a loss of some \$200,000. The reduction of federal grants for medical education will create a revenue loss of nearly \$500,000 for the University's College of Medicine next year.

The financial picture for the University is only part of the total scenario for the future, which Penn State is addressing in the "Plan for the '80s," Dr. Ikenberry explained.

The four Task Forces completed work on schedule, he said. The plan itself will be drafted over the summer months and should be ready for review in early fall.

The reports tend to focus on four major issues, Dr. Ikenberry pointed out: the relationship of quality and selectivity; the need for flexibility to respond to unforeseen circumstances; the requirement to maintain the vitality of the faculty and staff during a period of enrollment stability; and the necessity to face up to trade-offs and respond to financial realities.

"Because of the different demographic situation in the '80s," he noted, "we're going to have to become more selective in the programs offered at all Campuses."

With the impending decline in the pool of University-bound high school students, he continued, the fundamental choice confronting the University is whether "to dip significantly deeper into the pile to maintain enrollment, or to hold to current admissions standards, even if it means a moderate decline in the overall number of students. The Task Force reports suggest we should not be mesmerized by numbers."

On the other hand, he said, "The whole area of research and graduate studies ought to receive more emphasis in the

(Continued on page 4)

News in Brief

Three day holiday

This year the University will observe the Memorial Day holiday on Monday, May 28.

University offers service to those wishing to car pool

The rising cost of gasoline has prompted the University to offer a service for assisting faculty and staff members who commute to work.

Cost-conscious drivers who are looking for riders or other drivers with whom to share the daily trip from their home areas, or areas through which they pass, have until Tuesday, May 15, to fill out a driving schedule information sheet and return it to the Office of Personnel Administration.

The information will be published on lists to be made available to all University personnel. Those interested in exploring the possibility of riding or forming a car pool will be able to contact others expressing that mutual interest.

The information sheets were distributed last week. Interested drivers who did not receive one may contact the Office of Personnel Administration, Room 108 Willard Building, 865-1412.

Persons only interested in being riders need not fill out the forms. When the lists become available, they should contact individuals who have given their names as drivers.

Phi Beta Kappa to hold initiation, banquet May 12

The Lambda Chapter of Phi Beta Kappa will hold its annual initiation and banquet for new members on Saturday, May 12, at

the Nittany Lion Inn. The reception will begin at 5:30 p.m., with dinner to be served at 6:30 p.m.

Dr. Robert W. Frank, professor and head of the Department of English, will be the guest speaker.

Reservations for members and guests are being accepted by Martha J. Kolln, assistant professor of English, Room 5-227 Burrows Building, 865-1988.

Penn State and Taiwan will exchange students

A statement of intent for a student exchange program tentatively scheduled to begin in the Fall has been signed by Penn State and the National Taiwan University.

Specific details will be developed at a later date, according to Dr. Robert E. Dunham, vice president for undergraduate studies. Exchanges of students and visiting scholars are among the objectives of the

program, as well as stimulating intellectual growth and scientific discovery and fostering better relations between the academic communities of both countries.

Calendar data due May 18

Material for inclusion in the Summer Term INTERCOM Calendar should be sent by Friday, May 18, to Lee Morrill, Room 312 Old Main, 865-2501.

Space available on July trip to Shakespeare Festival

The Department of English is sponsoring an excursion to the Stratford Shakespeare Festival this summer from July 20 to 23.

The trip, an annual summer attraction for students in English 549, is also open to faculty and staff. This year, reservations have been made for the two great Falstaff plays, *Henry IV, Part One* and *Two*

(Continued on page 2)

Penn Staters



Dr. Karl H. Beyer, visiting professor of pharmacology at The Milton S. Eshelby Medical Center, has been elected to the National Academy of Sciences.

Dr. Beyer, retired senior vice president for research of Merck Sharp and Dohme Research Laboratories, works regularly at the Medical Center, where he has developed a renal section in the Department of Pharmacology.

He is recognized as the discoverer of the thiazide compounds, which are commonly used in the treatment of renal and cardiovascular disease. He is also responsible for the development of such drugs as benemid and furosemide.

A nationally recognized pharmacologist and physiologist, Dr. Beyer has also received the Lasker Award, the Gairdner Award and the Torald Sollmann Award of the American Society for Pharmacology and Experimental Therapeutics for his contributions to science.

He joins another visiting professor in the Department of Pharmacology, Dr. Bernard B. Brodie, as a member of the National Academy of Sciences, both are members of the physiological and pharmacological sciences section of the Academy.

Carl R. Hausman, professor and head of the Department of Philosophy, has been elected executive director of The Foundation for Creative Philosophy. The Foundation is a sponsor of The Society for the Philosophy of Creativity. The Society consists of three divisions, each of which meets regularly with the three divisions of the American Philosophical Association.

Earl E. Fitz, assistant professor of Spanish and Portuguese, is the translator of *Clara dos Anjos*, a novel by the Brazilian Lima Barreto. Dr. Fitz's translation appears in *Lima Barreto: Bibliography and Translations*, edited by Maria Luisa Nunes and published by C.K. Hall of Boston as part of the Yale Series of Afro-American Reference Publications.

Dr. Ronald Filippelli, librarian and associate professor of library studies, has been appointed to a two-year term on the editorial board of *Labor Studies Journal*.

Dr. Philip S. Skell, Evan Pugh Professor of chemistry, recently presented an invited talk at a symposium at Louisiana State University in honor of the 50th anniversary of the Exxon Research and Development Laboratories, Baton Rouge, La. He discussed "Halogenation Mechanisms."

Dr. Arthur Hull Hayes, Jr., chief of the Division of Clinical Pharmacology at Hershey, has been elected president-elect of the American Society for Clinical Pharmacology and Therapeutics. He will begin his term of office in March 1980.

Five University faculty members were honored recently at the annual awards banquet of the Liberal Arts Alumni Society.

The faculty members are Jan S. Prybyla,

professor of economics; Lorraine T. Kapitoff, assistant professor of Russian; Kathryn B. DeBoer, associate professor of speech communication; Manfred E. Keune, associate professor of German; and Helen Adolf, professor emerita of German.

Dr. Prybyla, who was presented the Distinction in the Social Sciences Award, was a recipient, in 1971, of the Christian R. and Mary F. Lindback Award for Distinguished Teaching. An authority on comparative economic systems, he is the author of several books, most recently *The Chinese Economy: Problems and Policies*.

Prof. Kapitoff was presented the Liberal Arts Award for Distinguished Teaching. Her classes include both technical Russian and Russian culture, and she was one of the innovators of the bachelor of science major in Russian Technical Translation.

Dr. DeBoer, who received the Outstanding Faculty Advisor Award, has been coordinator of Speech 200, the University's basic speech course, since 1974. Some 1,500 Penn State students are enrolled in that course each term.

Dr. Keune, who was presented the Class of 1933 Award for Outstanding Contributions in the Field of Humanities, has been a member of the faculty since 1967. He developed the German Studies Option in the Department of German and teaches language, literature and culture courses.

Dr. Adolf, who was presented the Liberal Arts Alumni Society Emeriti Distinction Award, retired from the University in 1963. Since that time, she has been a visiting professor at Muhlenberg College and continues to lecture and to publish. She is affiliated with the graduate school at the University of Pennsylvania.

25-year award



Dr. John B. Nesbitt, professor of civil engineering, is marking his 25th year at the University. He is continuing a Nesbitt family tradition of University service since his father, Russell B. Nesbitt, taught surveying and railroad transportation in the same department from 1914 to 1937; and his mother, Harriett D. Nesbitt, taught in the speech department from 1937 until her retirement in 1967.

A member of the Penn State faculty since 1953, Dr. Nesbitt's teaching and research experience has been in the sanitary engineering fields of water supply and water pollution control. He has specialized in the effects of water treatment processes on the removal of radioactive isotopes from water supplies, high rate multiple medium water filtration, the biological degradation of the cyanide ion, and the removal of phosphorus from municipal sewage plant effluents. He divides his time between teaching undergraduate and graduate student courses.

Dr. Nesbitt served as a consultant to several companies and has authored or co-authored more than 30 articles and technical reports on various aspects of water treatment.

A 1948 civil engineering graduate of the University, he received his M.S. and Sc.D. in sanitary engineering from the Massachusetts Institute of Technology. After two years of consulting engineering

practice at Whitman, Requaardt and Associates in Baltimore, he returned to Penn State as an assistant professor.

Dr. Nesbitt serves as chairman of the graduate program in Environmental Pollution Control and was instrumental in developing the undergraduate program in Environmental Engineering, chairing the committee that administered the program until it was consolidated with the Department of Civil Engineering. He chairs the University's Hazardous Waste Advisory Board and has served on both the University Senate and Graduate Council. In 1971, Dr. Nesbitt was the recipient of the Penn State Engineering Society's Outstanding Advisor Award.

At the present time he also is chairman of the State College Sewer Authority and vice-chairman of the University Area Joint Authority.

Bookshelf

John D. Martz, professor and head of the Department of Political Science, is co-author, with Enrique A. Baloyra, of the University of North Carolina, of a major new study of voter attitudes in Venezuela. Entitled *Political Attitudes in Venezuela: Societal Cleavages and Political Opinion*, the book was published this month by the University of Texas Press.

It is based upon extensive survey research conducted during the Venezuelan elections of 1973. The authors interviewed a representative sample of more than 1,500 voters to examine the relationships between political opinion and behavior and such factors as class, status, religion, ideology and partisanship.

Professors Martz and Baloyra conclude that most Venezuelans think of themselves as middle class, that a plurality are on the right, and that they are strongly anticommunist and very much wedded to developmentalist policies. They also point out, however, that most believe in the legitimacy of political opposition and in the need for party competition, and that they oppose coups.

With the data from their public opinion polls, the authors examine such questions as the role of regionalism and religion in Venezuelan political thought, the dominance of political parties and the effects of social change in recent years.

The book is the second of a two-volume study by the authors. The first volume, published in 1976, was entitled *Electoral Mobilization and Public Opinion: The Venezuelan Campaign of 1973*.

Dr. Martz was co-editor, with David J. Myers, associate professor of political science, of Venezuela: *The Democratic Experience*, published in 1977 by Praeger Publishers of New York.

Obituary

Harold K. Schilling, dean emeritus of the Graduate School and University professor emeritus, died April 29.

Dean Schilling joined the faculty in 1941 as an assistant professor of physics and served as professor and head of physics from 1947-50. From 1950 until his retirement in 1964, he was dean of the Graduate School. He was the first person to be granted the University professor emeritus designation by the Trustees, signifying a rank with a broader connotation than a professorship in a specific area.

Dean Schilling was a graduate of Clinton College in Missouri and held an M.A. from the University of Nebraska and a Ph.D. from Iowa State University. In 1955, Bucknell University awarded him an honorary doctor of science degree.

He was the co-author of two books, *Teacher Education and Religion and Science, An Interpretation of Two Communities*.

Commenting on his death, President Oswald said:

"We are saddened to learn of the death of Dean Schilling. He gave strong leadership to Penn State as Graduate Dean and was much respected and admired by all with whom he came in contact during his 14 years at the University. His death is indeed a loss."

News in brief

(Continued from page 1)

for two of Shakespeare's early comedies, *Love's Labors Lost* and *Taming of the Shrew*.

The \$89 fee includes tickets to the four plays, lodging for three nights in Stratford rooming houses and round trip transportation in University vans. If there is sufficient interest, a day excursion to Toronto may be arranged for Sunday.

The vans will leave University Park at 7:30 a.m. Friday, July 20, and return late Monday afternoon, July 23. A down payment of \$10 per person will be required with each reservation, with payment in full to be made by July 1.

Princeton scholar to examine use of literary borrowings

Albert Sonneck, professor and head of the department of Romance languages at Princeton University, will present the annual Phi Sigma Iota lecture Friday, May 11, at 8 p.m. in Room 305 HUB.

Entitled "Writers as Readers," the lecture will examine the practice of literary borrowings in modern European novels.

Prof. Sonneck has written extensively on the history of modern French poetry and narrative. He is a member of the editorial boards of *French Review*, *Journal of European Studies*, *Studies in 20th Century Literature*, and *19th Century French Literature Studies*.

McDermott to present the Dotterer Lecture

"*Quo Vadis America?* Towards a Logic of Transcency" will be the topic of John L. McDermott for the Tenth Annual Dotterer Lecture at 8 p.m. Thursday, May 10, in the HUB Assembly Room.

Dr. McDermott is a professor of philosophy and head of the Department of Philosophy and Humanities at Texas A&M University. He has also taught at the University of San Francisco, Manhattanville College, SUNY at Stony Brook, and for 22 years at Queens College. He is the editor of *The Writings of William James, The Philosophy of John Dewey* (2 vols.) and *The Writings of Josiah Royce* (2 vols.). In addition to many published essays, he is the author of *The Culture of Experience: Philosophical Essays in the American Grain*.

Prof. McDermott holds a Ph.D. from Fordham University and an L.L.D. from the University of Hartford. He has lectured at more than 100 American universities and in 1970 received the national E. Harris Harbison Award for Gifted Teaching.

The Dotterer Lecture Series was established in the Department of Philosophy to honor the late Prof. Ray Dotterer who served as head of the department from 1938 until his retirement in 1947.

Correction

Due to a mistake in a release received from the Altoona Campus, the dates for the ARTS 79 annual spring arts festival were incorrectly listed last week. The festival will be held from Friday through Sunday, May 11-13, and not May 4-6.

(Continued on page 4)

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University Park Calendar

May 3-13

Special Events

Thursday, May 3

Week of Africa Symposium: "Understanding for Africa: Planning Strategies for Changing Africa," 7 p.m., Room 5-209 Henderson Education Policy Studies, Edgar J. Boone, adult and community college education, North Carolina State Univ., speaker, 7:15 p.m., Room 109 Chambers.
University Theatre, William Shakespeare, *A Midsummer Night's Dream*, 8 p.m., The Playhouse. Also May 4, 5 & 12.

Friday, May 4

Education Policy Studies, coffeeshow for Edgar J. Boone, adult and community college education, North Carolina State Univ., 9:45 a.m., Fireside Room, Nittany Lion Inn.
American Metamorphosis film, "Toward the Future," noon, Kern Lobby.

Sports: softball, EIAAW Satellite Regional, through May 5; men's tennis, vs. Mercyhurst, 3 p.m., soccer, vs. Rutgers, 7 p.m., Commonsplace Theatre, *Little Women*, 7 and 9 p.m., Room 112 Kern. Also May 6.

IAHS/Dept. of Theatre & Film, Pat Carroll in *Gertrude Stein*, 8 p.m., The Pavilion Theatre. Also May 5.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 5

Penn State Dairy Exposition, 8 a.m.-5 p.m., University Dairy Barn.

Sports: women's golf, Lady Lion Invitational, through May 6; women's lacrosse, Central Penn Tournament, through May 6; soccer, vs. Alumni, 10 a.m., Blue-White football game, 2 p.m., Beaver Stadium, American Student Assn. soccer, vs. Turkish Eleven, 5 p.m., Pollock Field.
College of Science/Student Council/Alumni Society, "Science Expo '79" 10 a.m.-5 p.m., programs, maps and guided tours, Osmond Lobby.

France-Cinema, *Gauche's Anxiety at the Penalty Kick*, 7 and 9 p.m., Room 112 Kern. Also May 7.

Astronomy Club Sky Watch, 8:30-10 p.m., roof of Davey Lab.

Sunday, May 6

University Chapel Service, 11 a.m., Eisenhower Chapel, Rabbi Gary M. Klein, Temple Beth Israel, Altoona, speaker.

Sports: men's tennis, vs. Temple, 1 p.m.; baseball, vs. Pittsburgh (2), 1 p.m.
Week of Africa, Dinner and Cultural Show, 6 p.m., Robeson Cultural Center.

Suzanne Murphy, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Monday, May 7

Sports: men's golf, NCAA A District 2 Qualifier, through May 13.

Women's Forum, noon, Eisenhower Chapel.
Cynthia Schein and Diane Gold on "Women in Music."

Science Fiction Society/STS, Tomorrow's program, Marshall Kaplan, aerospace engineering, on "Space Shuttle: Wings to Tomorrow," 8:30 p.m., HUB Assembly Hall.
Theodore Sturgeon, sci-fi writer, on "Science Fiction: A Medicine For Future Shock," 8 p.m., HUB Ballroom.

Lady Lion annual banquet, 7 p.m., Gatsby's. Mimi Murray, chairman, AIAW television committee, speaker.

Political Science lecture, 8 p.m., Room 101 Kern.
Michael Pillsbury, defense consultant, on "Peking's View of the SALT and of the U.S.-Soviet Rivalry."

Susan Eischeid, oboe, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, May 8

Science Fiction Society/STS, Tomorrow's program, STS videotapes, all day, HUB Lounge, panel discussion, chaired by Philip Klass, English, on "Futurism: Preparing for Tomorrow Today," 7 p.m., HUB Assembly Hall.
Richard Barnett, Institute for Policy Studies, Washington, D.C., on "Nuclear Disarmament: The Issue of Security," 8:30 p.m., HUB Assembly Hall.

SC Credit Union Board meeting, noon.

Telephone Bldg. Members welcome.
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College, Ernst Schurer, German, on "Gunter Grass: Germany's Voice of Conscience."

Sports: women's tennis, vs. West Chester, 3 p.m.



Actress Pat Carroll brings her one-woman show, *Gertrude Stein*, to the Pavilion Theatre May 4-5.

Campus Colleagues, 4 p.m., Nittany Lion Inn.
E-Tu Zen Sun, Louise Gentry, Doris Seaward, Beverly Lindsay and Nancy Chiswick on "Glimpses of Today's China."

Artists Series Film, Marx Brothers, *A Night at the Opera*, 8 p.m., Eisenhower Auditorium.

Wednesday, May 9

STS Colloquium, noon lunch, Room 101 Kern.
Richard Barnett, Institute for Policy Studies, Washington, D.C., on "International Technology and U.S. Stability."

Sports: baseball, vs. Cornell (2), 1:30 p.m.; men's lacrosse, vs. Bucknell, 7 p.m.

O'Clock Playwrights' Theatre, Peter Michaelson, *On A Legend Sitting Sideways*, and Paul Malluk, *Doo Doo*, 5:30 p.m., The Pavilion Theatre. Also May 10 and 11.

White Band Concert, 7 p.m., Fisher Plaza.
Science Fiction Society/STS, Tomorrow's Program, 7:30 p.m., HUB Assembly Hall.
Panel discussion, with Richard Barnett, on "America's Future: The Avion of World Powers?"

Penn State Physicians, *Al! Abner*, preview, 8 p.m., Schwab. Also May 10 and 11, 8 p.m., May 12, 2 and 8 p.m.

Composers' Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 10

"End-of-Another-Year" Dinner, 4:45-6:45 p.m., HUB Terrace Room. Also May 11.

Education Policy Studies, John Ohlinger, adult education consultant, 7:15 p.m., Room 109 Chambers.

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Dept. of Philosophy, Dotterter Lecture, 8 p.m., HUB Assembly Hall, John J. McDermott, Texas A&M Univ., on "Quo Vadis America? Towards a Celebration of Transiency."

Friday, May 11

Sports: women's tennis, EIAAW Championships, through May 13; women's lacrosse, USWLA College Division 1 Championships, through May 13; men's tennis, vs. Pittsburgh, 3 p.m.

Education Policy Studies, coffeeshow with John Ohlinger, adult education consultant, 9:45 a.m., Fireside Room, Nittany Lion Inn.



Raymond Brown will lead University Choirs in Verdi's *Requiem* May 12.

Commonsplace Theatre, *Macunaima*, 7 and 9 p.m., Room 112 Kern. Also May 13.
Phi Sigma Iota Lecture, 8 p.m., Room 305 HUB.
Albert Sonfield, Romance languages, Princeton Univ., on "Writers as Readers," Gary Rusnak, piano, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 12

Sports: baseball, vs. Temple, 1:30 p.m.; men's lacrosse, vs. Army, 7 p.m., Room 213 Backus.
Phi Beta Kappa initiation and banquet, Dr. Robert W. Frank, English, speaker.
Reception 5:30 p.m., dinner, 6:30 p.m., Nittany Lion Inn.

France-Cinema, *Les Zozos*, 7 and 9 p.m., Room 112 Kern. Also May 14.

University Choirs/Northeastern Philharmonic Orchestra, *Verdi Requiem*, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 13

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Richard Morrell, executive asst. to the Provost, speaker.

Old Main Tower open, 1-5 p.m.
Sports: baseball, vs. Howard, 1 p.m.

Honors Convocation, 2:45 p.m., Eisenhower Auditorium.
Elisabeth Rostow, dean, L.B. Johnson School of Public Affairs, Univ. of Texas, Austin, speaker.

Penn State Glee Club, *Mo'et's Day Concert*, 3 p.m., Schwab.

Penn State International Dancers Performance, 3 p.m., Room 132 White.

IAHS, *Alard String Quartet/Renaissance City*, Woodwind Quartet, Pittsburgh, free concert, 8:30 p.m., Music Bldg. Recital Hall.

Seminars

Friday, May 4

Analytical Chemistry, O. Popovych, City University of New York, on "Correlation of Analytical Measurements in Different Solvents," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Marshall Lapp, General Electric Corp., on "Raman Techniques for Combustion Spectroscopy," 4 p.m., Room 333 Whitmore.

Monday, May 7

Biochemistry and Biophysics, Lawrence Raisz, endocrinology, Univ. of Connecticut, on "Hormonal Regulation of Bone Formation in Culture," 3:55 p.m., Room 101 Allhouse.
Genetics, David Mbah, grad student, on "Genetic Influences on Improvement of Milk Production," 3:55 p.m., Room 111 Tyson.

Entomology, Leo Newcomer, grad student, on "Bioassay of the Gypsy Moth Nuclear Polyhedrosis Virus and Chemical Insecticides," 4 p.m., Room 204 Patterson.

Tuesday, May 8

Plant Pathology, Patricia Sanders, research assistant, pesticides, on "Turf Root Complex," 9:45 a.m., Room 213 Backus.
Solid Waste Management, Jay Ort, private consultant, Lewistown, on "Pipeline Quality Methane from Municipal Solid Waste: Technology and Politics," 2:20 p.m., Room 62 Willard.

History, Neil A. McNall, history, on "Greig of Canadagou - The External World of a Small Town Man," 2:30 p.m., Room 101 Kern.

Geosciences, Jack E. Oliver, Cornell Univ., on "A New Era of Exploration of the Continental Basement," 3:45 p.m., Room 22 Deike.

Physics, Torben Brun, Argonne National Lab., on "Condensed Matter Research Using Pulsed Spallation Neutron Sources," 3:50 p.m., Room 117 Osmond.

Astronomy, William Liller, Harvard Univ., on "The Quest for Black Holes," 4 p.m., Room 445 Davey.

Engineering Science and Mechanics, S.J. Fonash on "Current Trends in Solar Cell Development," 4 p.m., Room 132 Hammond.

Inorganic Chemistry, Angelo Scopellanos, grad student, on "Zeolites and Catalysis," 8 p.m., Room 333 Whitmore.

Wednesday, May 9

Sigma Delta Epsilon, Elissa Levine, agronomy, on "Factors of Soil Formation," noon, Room 101 Kern.

Thursday, May 10

Chemistry, T.G. Spiro, Princeton Univ., on "Biostructural Applications of Resonance Raman Spectroscopy," 12:45 p.m., Room 333 Whitmore.

Physics, John Donahue, MIT, on "Quark Jets," 3:50 p.m., Room 117 Osmond.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Acoustics, Frank W. Symons, research associate, ARL, on "Applications of Linear Predictive Filtering," 4 p.m., Room 73 Willard.

Friday, May 11

Analytical Chemistry, E. Whalen-Pedersen, grad student, on "Relationship Between Chemical Structure and Carcinogenicity," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Antonio Gonçalves, Temple Univ., on "Nanoscond-Resolved Magnetic Resonance of Organic Triplet States," 4 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Art Education Undergraduate Student Show, mixed media.

Kern Commons Gallery: African Art and Costumes, through May 6. Alex Fletcher Memorial Art Center, Traveling Exhibit, Lionel Reiss, etchings.

HUB Gallery: African Stamps and Coins, through May 6. Dottie Tonne, pastels; Slavic Folk Art.

Museum of Art: Chinese paintings and mounted rocks, through May 6. Alumni Gifts 1972-1979. European works from the permanent collection. "The Infinite Worlds of Faust and Titilo," opens May 6.

Old Main, Room 117: Carol Fastuca and Jeanne LeSage, BFA candidates, prints and drawings.

Pattee Library: James Murray-Thompson, drawings, East Corridor Gallery, Richard Rybczynski, photographs, Lending Services Lobby.

Robeson Cultural Center: African Stamps and Coins, through May 6.

Zoller Gallery: Graduate Thesis Exhibits.

WPSX Highlights

Eric Seaverd leads a group of artists and scholars as they explore the unique behavioral attitudes of the human species Saturday, May 6, at 2 p.m. on **Being Human**. Guests include Metropolitan Opera singer Judith Blegen, jazz singer Ella Fitzgerald, psychiatrist David Hamburg, Nobel laureate Linus Pauling, and others.

Sunday, May 6, at 10 p.m., Arthur Fiedler conducts a two-hour Evening at Pops special to celebrate his 50th anniversary as conductor of the Boston Pops.

The Prime of Miss Jean Brodie, a five-part serialization of Muriel Spark's novel about a free-spirited school teacher and her effect on a group of preadolescent girls, begins Monday, May 7, at 9 p.m. Geraldine McEwan stars as the unconventional teacher in this Scottish Television production, hosted by Julie Harris.

Tuesday, May 8, at 7:30 p.m. on Talkabout: Prof. Paris Chang and Emeritus Professor Elton Atwater of the Department of Political Science, discuss Taiwan's future.

Climaxing New York City's 11-day "Christmas Spring Seminar," '66 of the country's most gifted music students perform Bach's Second and Third Brandenburg Concertos and the Third Orchestral Suite under the direction of Alexander Schneider Tuesday, May 8, at 9 p.m. on Alexander's Bachtime Band.

Michael Titterton of Penn State's Department of Speech Communication introduces **Campus Visions**, a one-hour special showcasing works by Penn State student filmmakers, Wednesday, May 9, at 8 p.m.

Dance in America returns to Great Performances Wednesday, May 9, at 9 p.m. with the Paul Taylor Dance Company performing two different works: "Esplanade" a non-stop deluge of running, jumping and rolling motions led by Carolyn Adams; and "Runes," a mysterious, Druid-inspired, satiric.

Arts Roundup

Choirs to sing Verdi's "Requiem" with Northeastern Philharmonic

Verdi's *Requiem* will be performed by The Pennsylvania State University Choirs and the Northeastern Pennsylvania Philharmonic Orchestra in a joint concert at 8:30 p.m. Saturday, May 12, in Eisenhower Auditorium. Raymond Brown, professor of music and conductor of the University Choirs, will direct the performance.

Several vocalists will be making solo appearances for the concert. Soprano Sherry Zannoth has performed numerous operatic roles and has sung in oratorios and for presentations of orchestral and chamber music works. In the past she made her debut with both the New York City Opera and in Carnegie Hall with the New York Oratorio Society.

Mezzo-soprano Ewa Dobrowska, a native of Poland, has appeared in numerous performances with the Tri-Cities Opera in Binghamton, N.Y. She is married to Thomas Michalak, musical director and conductor of the Northeastern Pennsylvania Philharmonic Orchestra.

Donald Miller, bass-baritone, has performed with opera companies in Portland, Ore., and New Haven, Conn., as well as with the Tri-Cities Opera in Binghamton. A member of the music faculty at Syracuse University, Mr. Miller has also appeared with the Boston Symphony, the Rochester Philharmonic and the Syracuse Symphony.

Tenor Tonio DiPaolo has been a member for two seasons of the Juilliard School of Music's American Opera Center. He made his debut in 1976 in Clabrier's *Le Roi malgré lui*, conducted by Manuel Rosenthal and choreographed by George Balanchine. He has performed the leading roles in *Don Giovanni*, *The Barber of Seville* and *Pagliacci*.

The Northeastern Pennsylvania Philharmonic was formed in 1970 through a merger of the Scranton Philharmonic and the Wilkes-Barre Philharmonic. Director Michalak, 1971 winner of the Koussevitzky Prize in conducting, has been Exxon Affiliate Artist Conductor with the Pittsburgh Symphony. He has also been a conducting fellow at Tanglewood, where he worked with the Berkshire Music Festival Orchestra. A

violinist, Mr. Michalak is the director of the Bach Festival Strings, a chamber ensemble.

Tickets for the May 12 performance will go on sale beginning Monday, May 7, from choir members and at the Eisenhower Auditorium box office. Prices are \$2.50 for balcony seats, \$3.50 for orchestra seats and \$4.50 for grand tier seats.



Prof. Dannenbaum

"Midsummer Night's Dream" being offered at Playhouse

David Dannenbaum, assistant professor in the Department of Theatre and Film, will direct the University Theatre's final spring term production, *A Midsummer Night's Dream*.

Performances are scheduled for May 3-5 and 8-12 at 8 p.m. in the Playhouse Theatre.

The play, according to Prof. Dannenbaum, is about the conflict between love and power. The plot involves six love stories, all settled by forces outside the lives of lovers involved. "Shakespeare was very clever in using the legend of Pyramus and Thisby as the play-within-the-play. It emphasizes beautifully the theme of love being controlled by an outside power," Mr. Dannenbaum says.

The University Theatre's production is set in New Orleans during the Napoleonic era — about the time of the Louisiana Purchase. Mr. Dannenbaum feels that this setting best illustrates the play's blend of exotic and erotic elements, and provides the feeling of a dominant supernatural force surrounding the action.

Prof. Dannenbaum, who received a B.F.A. from the University of Texas and an M.F.A. from Florida State University, is new to Penn State but hardly new to directing. Before coming to University Park last winter, he spent two years as artistic director for the Montana Repertory Theatre and was production manager for the Missouri Repertory Theatre. Reservations for *A Midsummer Night's Dream* can be made by calling 865-1884.

Brass Choral concert May 4

A piece by William Alwyn, "Fanfare for a Joyful Occasion," will open the Penn State Brass Choral's concert at 8:30 p.m. Friday, May 4, in the Music Building Recital Hall.

The 21-member group will perform the *Sonata Octavi Toni* by Giovanni Gabrieli, a 16th century Italian composer. This piece represents polychoral elements which were popular with composers of the late 16th to early 17th century, as well as traces of the earlier chanson style.

The three movements of *Kenilworth*, written by Arthur Bliss — "At the Castle Gates," "Serenade on the Lake" and "March: Kenilworth" — commemorate Queen Elizabeth I's visit to Kenilworth Castle in 1575.

The Brass Choral also will perform *Sonata for Brass* by Jerry H. Bilik and Alan Stout's "Pieta" at the Friday concert.

James Beshoff, assistant professor of music, directs the Brass Choral.

Reiss etchings at Kern

Lionel Reiss Etchings, a new traveling exhibition from the Jewish Museum, New York, will be on display in the Commons Gallery through May 21.

The exhibition contains 20 of Reiss's works which capture phases of Jewish life now gone. Many of the etchings are drawn from his own experience in Eastern Europe during the 1920s and 1930s before the Holocaust. Other examples in the show offer rare impressions of Israeli life during the early years of its development.

Reiss was born in Galicia in 1894, but has worked most of his life in the United States. This exhibit of his work was created by the Jewish Museum, with the assistance of the National Endowment for the Arts and the National Foundation for Jewish Culture. It is supported by a grant from the Pennsylvania Council on the Arts.

Four years ago, President Oswald led a 12-member delegation from the University to China, under the sponsorship of the Ford Foundation.

The study tour will last from June 12 to July 4 and will include orientation sessions in Tokyo.

Among other stops on the tour will be Hong Kong, and the Chinese cities of Chengdu, Shanghai, Hangchow, Kwangchow and Peking.

Swahili to be offered

A three-term sequence of courses in the Swahili language will be offered at the University beginning Fall Term 1979. The sequence is being offered by the Liberal Arts Critical Languages Program in conjunction with the African Studies Option.

The courses are self-instructional; students will work with a textbook and University-supplied tapes and tape recorders. A Swahili-speaking consultant will be available to help students with pronunciation and grammar, but there will be no formal class meetings.

The Swahili courses will satisfy the Liberal Arts language requirement and also prepare students for the Nairobi Exchange Program.

The courses are open to students with a 2.75 grade point average, a high level of motivation, good language skills and a score in the 70th percentile on the Modern Language Aptitude Test. Interested students should be referred to Peter Hagen, of the Critical Languages Program, Room 136 Sparks Building, before preregistering for the sequence.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 10, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

MANAGER OF PHARMACY — COLLEGE OF MEDICINE, Hershey Responsible to the Associate Hospital Director for the administrative and technical operation of the Department of Pharmacy, to include the recruitment and retention of professional, technical and clerical employees as well as providing quality service at a cost corresponding to the highest level of productivity. A master of science degree or doctor of pharmacy degree, completed ASHP approved residency in hospital pharmacy, plus three to four years of directly related experience. Pennsylvania registration as Pharmacist or eligibility required.

ASSISTANT ACCOUNTANT — CONTROLLER'S OFFICE, University Park Responsible to the Director of Accounting Operations and to assigned accounting personnel for assistance in a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas assigned within the Office of the Controller. Bachelor's degree or equivalent proficiency in accounting or related field, and more than three months of directly related experience.

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, and chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Fiscal picture

(Continued from page 1)

future. Penn State is one of the very few universities in Pennsylvania offering a broad range of high quality graduate programs. One fourth of our Penn State graduate programs are unique in Pennsylvania. We feel this is a strength to build on."

It is imperative, Dr. Ikenberry stressed, that Penn State's research mission "not be tied to demographic trends." Nearly 80 percent of the research funds flowing into the University come from sources other than the Commonwealth of Pennsylvania.

"An institution of Penn State's character is best served by a balance of programs," he noted. "We have a responsibility to the people of Pennsylvania to be different."

News in brief

(Continued from page 2)

Science Expo' on May 5

The 1979 College of Science Exposition will be held Saturday, May 5, from 10 a.m. to 5 p.m.

The program, featuring day-long exhibits, films and demonstrations, is free and open to all.

"Magic" shows focusing on the fun of chemistry, physics, and mathematics will be offered as well as tours through laboratories where researchers are studying aging, cancer, the liver, bones, and anti-herpes agents. Among the displays will be snakes, fish, plants and a host of microorganisms.

Tours begin in Osmond Laboratory Lobby. For more information call 863-0284.

Defense specialist to discuss SALT

Dr. Michael Pillsburg, a specialist on defense and national security issues, will present a talk on "Peking's View of the SALT and of the U.S.-Soviet Rivalry" Monday, May 7, at 8 p.m. in Room 101 Kern Graduate Building.

Dr. Pillsburg, who received his Ph.D. from Columbia University, has worked for the United Nations, the RAND Corporation and the U.S. Budgetary Committee, and has published several widely quoted articles in *Foreign Policy* and *International Security*. He is currently a defense consultant at the System

Planning Corporation in Washington.

His talk is sponsored by the Department of Political Science.

End-of-Year dinners at HUB

The HUB Terrace Room will feature "End-of-Another-Year" dinners from 4:45 to 6:45 p.m. Thursday, May 10, and Friday, May 11. Manager Louis Berrena has announced.

Entrees will include: chicken breast mango, roast rib of beef au jus, flounder with toasted coconut, roast leg of spring lamb bouquet, and Polynesian ham. A salad bar, dessert bar, assorted vegetables and dinner rolls will also be offered, along with live entertainment.

Philadelphia student selected for China trip

Mary Kay Noyall, of Philadelphia, a junior in landscape architecture, will go to the Peoples Republic of China in June as part of a new student exchange program sponsored by the Council on International Education Exchange in New York.

Miss Noyall will be one of a small group of students visiting from the United States. Several universities and two consortia have been invited to send students to China as members of the second major U.S. student group to tour China in recent history.

Penn State was one of the universities chosen, according to Dr. W. Lamarr Kopp, director of the Office of Foreign Studies at Penn State, because of "our long-standing interest in China."

Penn State Intercom



Above, from left: Wicksham, Hershfield, Cash, Keiper. Below, from left: Stoeckel, Naginey, Baumgardt.

University to honor seven

Four Penn State faculty members have been named recipients of AMOCO Foundation Outstanding Teaching Awards, given to recognize excellence in teaching performance by senior faculty in the undergraduate program.

Provost Edward D. Eddy said the recipients were chosen from a group nominated by faculty members and students, and were recommended as finalists by a University Council committee consisting of faculty members and students.

The recipients of the awards, which include a check for \$1,000, are Erskine H. Cash, associate professor of animal science at University Park; Edward W. Wicksham, associate professor of biology at University Park; Ronald R. Keiper, associate professor of zoology at Mont Alto; and Claire Hershfield, associate professor of history at Ogonitz.

The awards will be presented at the Honors Convocation, formerly the President's Academic Awards Assembly, at 2:45 p.m. on Sunday, May 13, in Eisenhower Auditorium.

Dr. Cash teaches beef cattle management and judging courses at Penn State. A nationally recognized judge of beef cattle, he has developed slides, drawings, films and other instructional aids to help students learn proper judging techniques.

According to Donald L. Ace, interim head of the Department of Dairy and

(Continued on page 4)

Three winners of all-University awards will be honored at a reception Sunday, May 27, by President Oswald.

They are Dr. Billy R. Baumgardt, who will receive the John E. Wilkinson Award for Administrative Excellence; Charles H. Naginey, the recipient of the Barash Award for Human Service; and Dr. Karl G. Stoeckel, recipient of the McKay Donkin Award.

The \$500 Wilkinson Award, established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman, is made annually to a member of the staff whose performance methods and achievements exemplify administrative excellence.

In the recommendation, Dr. Baumgardt was cited because "his long-range planning in areas of research and teaching is unparalleled."

One of his major attributes, the recommendation continues, is "his ability to make all persons, regardless of their position, feel as though they are a very essential part of the team. He administers by example and awareness rather than by means of the authority of his position."

Dr. Baumgardt, associate dean for research and associate director of the Agricultural Experiment Station, is a professor of animal nutrition. He joined the Penn State faculty in 1967. In three years he had reorganized and revitalized the animal nutrition division of the

(Continued on page 4)

Two special funds created

A College's response

EDITOR'S NOTE: The College of Business Administration is undertaking a long-term reexamination of its undergraduate curriculum in response to the establishment of the Provost's Office "Pendulum Fund."

CBA's enrollment pressures come not only from a rapid growth in the number of majors but also from students in other colleges who want business courses, according to Dean Eugene J. Kelley.

"But it's a problem we don't want to solve just by buying extra sections," he continues. "The creation of the Provost's Fund has given the College the opportunity to prepare an integrated educational and fiscal plan for the immediate three-year period and beyond."

Under the guidance of Dean Kelley and Dr. John J. Coyle, faculty director of the undergraduate program, the College is working toward three goals: (1) To expand its instructional capacity; (2) To improve the educational quality of "program essential" courses in Business Administration; and (3) To stimulate course development in departments outside CBA.

"Because these elements are mutually reinforcing in nature, their combined educational impact is substantially greater," Dean Kelley points out.

With a three-year commitment of added University funds, the College can fulfill its first goal by hiring new personnel on Fixed Term 1 appointments. Qualified temporary instructors in business administration are not easy to find just now, however, so the availability of funds for a three- rather than a one-year period gives CBA a competitive edge in attracting teaching staff.

"At the same time, we want to improve the quality of the BA Core programs our faculty are asked to teach," Dean Kelley comments. "At present, there is a need to improve coordination in the undergraduate program—in content, pedagogy and student performance standards. During the summer months, some CBA faculty will be devoting substantial effort to improving integration, coordination and complementarity within the BA Core."

The College is studying the possibility of developing a five course "set" for non-BA majors.

"Although about 25 percent of the

(Continued on page 2)

Two special funds have been created in the Provost's Office, a revolving one to help Penn State colleges facing unusually heavy enrollment pressures and another to provide matching monies for major equipment purchases.

Because the purpose of the revolving fund is to make certain that the resources of the University do not swing automatically and permanently with transitory student interests, it has been informally dubbed the "pendulum fund."

Presently pegged at \$500,000, the fund at the outset will provide allocations to the Colleges of Business Administration and Engineering for a three-year period, a time commitment long enough to help them attract good teaching faculty but also to cope with bulging enrollments.

The fund will ensure that we have enough lead time to be able to make intelligent commitments," Provost Edward D. Eddy explains. "A college with exceedingly heavy student enrollments can be helped without a permanent allocation of University funds and without hurting unnecessarily the departments which don't happen to be in heavy demand at the moment. We don't want temporary pressures to force us into a lop-sided university."

Dr. Eddy has requested that colleges seeking allocations from the "pendulum fund" examine their undergraduate curriculum to meet four conditions. The College of Engineering has recently embarked on such a review, and the response of Business Administration is described in the accompanying story. The conditions are:

(1) That an honest effort be made to drop whatever limitations have been devised to control enrollment. "We don't want to wind up with a University in which students have to consult a guide book to determine the grade point cutoff for entry into each curriculum," Dr. Eddy says.

(2) That the college examine its curriculum to see if any of its courses can be combined. Could comparable, if not quite identical, services be found in another college with less enrollment pressure? For example, a course in Business Ethics is now being offered to Business Administration students by the Department of Philosophy.

(3) That the college take a serious look at the number of credit hours required for graduation, both the total as well as those

(Continued on page 2)

Senate recommends establishment of research recognition program

Faculty senators at their May 1 meeting passed and sent to President Oswald a recommendation "that a Research Recognition Program be established to recognize and reward faculty who have demonstrated outstanding levels of accomplishment in research and scholarship."

They also voted to accept an opinion of the Committee on Committees and Rules upholding the constitutionality of a section of the Senate Bylaws and the authority of the Senate Chairman to declare a Senator's seat vacant.

The report of the Nominating Committee was presented to the Senate, and nominations were made from the floor to the slate proposed for the University

Promotion and Tenure Review Committee.

The Committee had offered the names of Paul H. Custer, Thomas E. Daubert, George L. Maule, Howard E. Morgan, Patricia M. Overder, William Rabinowitz and Theodore R. Vallance. Added to this list were the names of Paul Axt, Jan S. Prybyla, Ernest L. Bergman and David P. Woodbridge. Three persons are to be elected to two-year terms.

The results of the balloting for these and all other Senate offices will be announced at the June 5 meeting.

Informational reports on Continuing Education enrollment trends, the BDR III Procedure Guide, 400-level courses and 1979-80 budget and planning were presented.

Contrary to published reports, the Faculty Senate Committee on Planning and Development did not say that faculty and staff wages or employment will be cut next year. Committee Chairman Murray S. Martin explains that the Committee report described long-range planning efforts of the University to balance income and expenditures. The report takes note of the possibility that any pay increases may not keep pace with inflation, and thus a reduction in purchasing power could occur without an actual payroll cut.

In a discussion of possible funding for the "Climate for Research" proposal, President Oswald commended the

Committee for its concern about Penn State's research climate and noted that he had looked forward to the report "because I feel it is so important to our University." He recalled that until 1971 the University "had had the luxury of allocating funds obtained from indirect research costs in ways that were felt to be in the best interests of Penn State." Now, however, these funds must go directly onto the income side of the budget, just as do revenues from tuition and the State appropriation.

The President also pointed out that from so-called temporary funds (funds that become available through salary savings and other expected expenditures which do

(Continued on page 4)



Penn Staters



Dr. John R. Mentzer, professor and head of the Department of Engineering Science and Mechanics, is being honored this month by the University for his 25 years of service.

He received his B.S. and M.S. degrees in electrical engineering from Penn State and his Ph.D. in physics from Ohio State University in 1952. He joined the Penn State faculty in 1954 as associate professor of electrical engineering, and in 1956 was promoted to professor of engineering sciences.

Prior to joining the faculty, Dr. Mentzer was an engineer with Westinghouse Corporation in Baltimore, and for two years headed a Theory Group at Penn State's Ordnance Research Laboratory. He has also been a staff member of the Lincoln Laboratory at the Massachusetts Institute of Technology and the Antenna Laboratory at Ohio State University.

Dr. Mentzer has conducted research in electromagnetic radiation and transmission, microwave optics, ionosphere physics and propagation, and has taught courses in engineering analysis, electromagnetic field theory, antennas, and electronics. Under his direction the Engineering Science program was developed. The program, which requires an honors thesis for its seniors, will be graduating its 24th class this year.

Dr. Mentzer is the author of a book, *Scattering and Diffraction of Radio Waves*, published by Pergamon Press and translated into several languages, including Russian.

Two Behrend College faculty members, Dr. Roland E. Larson, associate professor of mathematics, and Dr. Robert P. Hostetler, assistant professor of mathematics, have co-authored a textbook, *Calculus with Analytic Geometry*, published by D.C. Heath and Company.

Designed for use in a beginning calculus course for students in mathematics, engineering, the physical sciences, the biological sciences, and economics, *Calculus* has met with enthusiastic reviews from instructors across the country.

David E. Heyd, instructor in mathematics at Behrend, prepared the student solutions manual that accompanies the text, and he also assisted the authors in the preparation of the exercises for the instructor's manual.

Guided by their own teaching experience and the results of a D.C. Heath survey on what instructors wanted in a calculus text, Professors Larson and Hostetler spent five years preparing this 992-page book.

They have announced that all royalties earned from the use of *Calculus with Analytic Geometry* at the Behrend College will be donated to a Behrend Scholarship Fund.

The National Endowment for the Humanities has awarded Dr. Ronald E. Buckalew, associate professor of English, a 1979 Summer Stipend for a study of the manuscripts of Aelfric's *Old English Latin Grammar*. Part of Dr. Buckalew's research project entails the preparation of one of the first of a new series of facsimile volumes of manuscripts in the Parker Library of

Corpus Christi College, Cambridge. Dr. Buckalew's work on the Corpus manuscript is in turn part of a study of a large number of early medieval manuscripts in conjunction with his critical edition and interpretative study of Aelfric's *Old English Latin Grammar and Glossary* for the Early English Text Society at Oxford.

Dr. James J. Reuther, assistant professor of fuel science, has accepted an invitation to participate in the 1979-80 Sigma Xi Mid-Atlantic Regional Lectureship program. The topic of Dr. Reuther's lecture is "Fuel Science Research Related to National Needs." The Mid-Atlantic region includes Maryland, New Jersey, West Virginia, Pennsylvania, Delaware, and the District of Columbia. Sigma Xi is a national society dedicated to scientific research.

Dr. John A. Mourant, professor emeritus of philosophy, recently presented the 1979 Saint Augustine Lecture at Villanova University. His topic was "Saint Augustine on Memory." This is the second time in the series' 20-year history that Dr. Mourant has been invited to speak.

Dr. John H. Pazur, professor of biochemistry, has been appointed to the advisory editorial board for *Analytical Biochemistry*, an international journal devoted to the publication of original research on preparative and quantitative methods used in biochemical research. Dr. Carol V. Gay, research associate in biophysics, recently presented an invited talk at the Symposium on Biophysics and Physiology of Carbon Dioxide in Regensburg, West Germany. She discussed recent developments in carbonic anhydrase localization.

Obituaries

Alex Simirenko, professor of sociology, died April 27. He was 47 years old. Born in Kiev and raised in the conditions of extreme privation prevalent in the Ukraine of the '30s and early '40s, Dr. Simirenko suffered from poor health throughout his life.

He earned his B.A., M.A. and Ph.D. degrees from the University of Minnesota and joined the Penn State staff in 1969. Before that he was on the staff of the University of Nevada at Reno and the California State University at Northridge.

Prof. Simirenko edited and contributed to two books on Soviet society: *Soviet Society: Historical Antecedents and Current Appraisals* (1966), and *Social Thought in the Soviet Union* (1969). An earlier book, *Pilgrims, Colonists and Frontiersmen: An Ethnic Community in Transition* (1964) was a study of the Russian colony in Minneapolis.

The Department of Sociology will hold a memorial service for Dr. Simirenko in Eisenhower Chapel at 4 p.m. on Monday, May 14.

Dr. Duane Van Dyke Ramsey, a former University sociologist, died on April 16 in Tucson, Ariz. He was 73.

Dr. Ramsey was an assistant professor of sociology at Penn State from 1940-42 and from 1951-58. He also received the Ph.D. in sociology from Penn State in 1953, earning the M.A. at the University of Chicago in 1929 and the B.A. at Hamline University in 1927.

A memorial service for Emeritus Graduate School Dean Harold K. Schilling, who died Sunday, April 29, will be held at 1:30 p.m. on Sunday, May 13, in the sanctuary of Faith United Church of Christ at 300 E. College Ave. in State College.

The service will be conducted by Dr. Luther Harshbarger, professor of humanities and religion, the Rev. Ernest M. Hawk, a research assistant in the Materials Research Laboratory, and the Rev. Marcus Meckstroff, pastor of Faith United Church of Christ.

Special funds

(Continued from page 1)

within the college itself, to see if the number has become inflated over the years. "No one is trying to say that a college should cut down on quality," Dr. Eddy emphasizes. "We are asking whether our students might receive a better education if they were given somewhat more freedom in certain areas to select their courses. Changes along these lines ultimately may not prove advisable but we should explore the possibilities."

(4) That an attempt be made to provide better training for the teaching of large classes. "As class size grows, the ability of an instructor to handle a larger class does not necessarily grow concomitantly," Dr. Eddy notes. "Some instructors in some types of courses reach a cutoff point beyond which they cease to be effective. Such faculty members may need assistance in projecting their materials or redesigning their courses."

By fulfilling these four conditions, the Provost says, a college will be offering the assurance that not only is it trying to handle larger numbers of students but also that it is trying to do it in more imaginative ways.

The chief aim of the second fund is to begin to solve some of the enormous problems of equipment obsolescence facing the University.

"The problem is a substantial one because much of the equipment which Penn State acquired through the years came with buildings constructed from State funds appropriated for capital purposes," Dr. Eddy comments. "These funds are no longer available, and federal sources for equipment purchases have also dwindled."

About \$1 million over the next few years will be allocated from special capital funds not otherwise available. A modified kind of reservation system will be used as a convenience to colleges and programs.

To take an example, suppose a college were to decide that it needed a \$100,000 piece of equipment and thought it could locate outside funding to help with the purchase and installation.

The college could come to the Provost's Office and request a commitment of \$50,000 from the special equipment fund for one year, 18 months or even two years, contingent on its raising \$50,000 from outside sources. The college could then approach federal agencies or, after receiving clearance from the Office of Gifts and Endowments, try to raise its share of the money from corporations, foundations or alumni. At the same time, the Provost's Office would reserve \$50,000 for the college during the agreed upon time span.

"The University has not realized fully the great potential in outside funding. This fund is designed to stimulate efforts in that direction," Dr. Eddy says. "Establishing this program gives us the opportunity to double the value of Penn State funds. For every dollar invested, we should receive two dollars in equipment value."

Once clearance is necessary, the Provost adds, just to make certain that five different people from five different Penn State departments do not show up in the waiting room of the same foundation on the same day. OGE will coordinate the efforts of individual units seeking outside funds.

A committee chaired by Assistant Provost Rosemary Schraer has been appointed to establish guidelines for the matching fund. Allocations will be made once these guidelines have been developed.

The committee is dealing with such questions as equitable procedures for handling applications of an academic unit; the minimum amount to be reserved from the fund; the extent to which the fund should be used to allay equipment installation charges, which can be costly; and whether a reservation on the fund could be shifted to another priority if the need arose.

Committee members include Richard G. Cunningham, vice president for research and graduate studies; Deans Charles Hostetler, Nunzio J. Palladino, Robert G. Quinn and Thomas Wartik; Charles Lupton, executive director of OGE; and Stephen R. Curley, financial officer in the Provost's Office.

A College's response

(Continued from page 1)

students enrolled in business classes are non-majors," Dr. Coyle points out, "most of them take the same courses as our majors, who have different preparation and career goals. So while we are working on improving our core courses, we will also be looking for ways to deliver courses for non-business students in more qualitative and cost effective ways."

CBA is also proposing to tap unused resources in other colleges. "Many of our students use their free electives to take courses in Business Administration, thus compounding our problems," Dean Kelley says. "By stimulating intercollege efforts to develop new courses, we can provide fresh teaching challenges and opportunities to faculty members who might enjoy applying their knowledge to important problem areas."

Dean Kelley points to a course in Business Ethics taught in the Philosophy Department as a successful example of just such a course. Next fall, the History Department will offer a course in the History of American Business, and Dr. Coyle is also discussing course proposals with a number of other departments.

"It may be possible to develop a package of courses inside and outside the College that students could take to give them an option in business," Dean Kelley continues.

"In the '50s and '60s, students in Liberal Arts and Science often used their electives to take courses in education to obtain teaching accreditation. We might eventually be able to offer curriculum packages in business to students who earn 15 credits in BA courses and another 15 credits in business-related courses offered by other colleges.

"Some of the elements of this plan have already been successfully pre-tested. For example, a student presently can combine studies in French and business."

"If the program is properly implemented, it could help give our Liberal Arts and other colleges a competitive advantage in the years ahead. Penn State will be able to offer differentiated programs unique in the Commonwealth."

"We believe that by developing and fulfilling the goals the faculty is setting for Business Administration," Dean Kelley concludes, "we can provide creative redirection to efforts to meet the problems and opportunities facing CBA and the University in the '80s."

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University Park Calendar

May 10-20

Special Events

Thursday, May 10
End-of-Another-Year Dinner, live entertainment, 4:45-6:45 p.m., HUB Terrace Room. Also May 11.
5 O'Clock Playwrights Theatre, Peter Michaelson, *On a Legend Striding Sideways*, and Paul Malluk, *Doo Doo*, 5:30 p.m., The Pavilion Theatre. Also May 11.
Education Policy Studies, John Ohlinger, adult education consultant, 7:15 p.m., Room 109 Chambers.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Dept. of Philosophy, Dotter Lecture, 8 p.m., HUB Assembly Hall. John J. McDermott, Texas A&M Univ., on "Quo Vadis America? Towards a Celebration of Transience."
Penn State Thespians, Lil' Ainer, 8 p.m., Schwab. Also May 11, 8 p.m.; May 12, 2 and 8 p.m.
University Theatre, *A Midsummer Night's Dream*, 8 p.m., The Playhouse. Also May 11 and 12.
Friday, May 11
Sports: women's tennis, EIAIW Championships, through May 13; women's lacrosse, USWLA College Division I Championships, through May 13; men's tennis, vs. Pittsburgh, 3 p.m.
Education Policy Studies, coffeehour with John Ohlinger, adult education consultant, 9:45 a.m., Fireside Room, Nittany Lion Inn.
Commons-place Theatre, *Macanauts*, 7 and 9 p.m., Room 112 Kern.
Colloquy, Alex Haley, author of *Roots*, speaker 8 p.m., Rec Hall.
Phi Sigma Iota Lecture, 8 p.m., Room 305 HUB. Albert Sonnfeldt, Romance languages, Princeton Univ., on "Writers as Readers." Gary Ruskak, piano, 8:30 p.m., Music Bldg. Recital Hall.
Saturday, May 12
Sports: baseball, vs. Temple, 1:30 p.m.; men's lacrosse, vs. Army, 7 p.m.
Phi Beta Kappa initiation and banquet, Dr. Robert W. Frank, English, speaker. Reception

tion 5:30 p.m., dinner, 6:30 p.m., Nittany Lion Inn.
France-Cinema, *Les Zozos*, 7 and 9 p.m., Room 112 Kern. Also May 14.
SFO. Can Film Festival, student films, 8 p.m., HUB Ballroom.
University Choirs/Northeastern Philharmonic Orchestra, Verdi, *Requiem*, 8:30 p.m., Eisenhower Auditorium.
Sunday, May 13
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Richard Morrill, executive asst. to the Provost, speaker.
Old Main Tower open, 1-5 p.m.
Sports: baseball, vs. Howard, 1 p.m.
Honors Convocation, 2:45 p.m., Eisenhower Auditorium. Elspeth Rostow, dean, L.B. Johnson School of Public Affairs, Univ. of Texas, Austin, speaker.
Penn State Glee Club, Mother's Day Concert, 3 p.m., Schwab.
Penn State International Dancers Performance, 3 p.m., Room 132 White.
IAHS, Alasdair String Quartet/Renaissance City Woodwind Quintet, Pittsburgh, free concert, 8:30 p.m., Music Bldg. Recital Hall.
Monday, May 14
Shakespeare film, *King Lear* (Scofield), 6:30 p.m., Room 101 Chambers. Also May 15.
American Cinema Society, Central Pa. Session, 8 p.m., Room 102 Forum. Congressman Robert S. Walker on "The Interface of Science and Politics."
Wednesday, May 16
Last for Springing Spring Term Emergency Loans, Room 108 Shield.
Early registration for Summer Term, weekdays 8:30 a.m.-4:30 p.m., through May 22, Room 112 Shields.
Spring Term classes end, 9:55 p.m.
Thursday, May 17
Final examinations, through May 21
Commons-place Theatre, *Warner's Animation Festival, Part I*, 7 and 9 p.m., Room 112 Kern. Also May 20.
Friday, May 18
Arts in Education Project, "Very Special Arts Festival," workshops for handicapped children, 9 a.m.-2 p.m., performances by Imaginarium, Carnegie Institute Museum of

Art, 11:15 a.m., and Lovelace Puppet Proposition, 1:15 p.m., HUB.
Commonplace Theatre, *Casablanca*, 7 and 9 p.m., Room 112 Kern. Also May 19.
Saturday, May 19
Sports: women's track. Lady Lion Invitational Showcase in the Arts, Central Pa. school children perform and display artistic skills, 10 a.m., all day. Elementary programs, Kern; secondary programs, HUB.

Seminars

Friday, May 11
Analytical Chemistry, E. Whalen-Pedersen, grad student, on "Relationship Between Chemical Structure and Carcinogenicity," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Antonio Concalves, Temple Univ., on "Nanosecond-Resolved Magnetic Resonance of Organic Triplet States," 4 p.m., Room 333 Whitmore.
Monday, May 14
Biochemistry and Biophysics, Howard Zalkin, Purdue Univ., on "Anthraxlike Synthase Structure-Function and Mechanism," 3:55 p.m., Room 101 Altohouse.
Acoustics/Mechanical Engineering, Glenn E. Warnaka, Lord Corp. R&D Center, on "Isolation of High Frequency Vibration and Noise," 4 p.m., Room 69 Willard.
Pest Management, David MacKenzie, plant pathology, on "Interactive Computer Games as an Instructional Device," 4 p.m., Room 204 Patterson.
Tuesday, May 15
Plant Pathology, Larry Lathrop, grad student, on "Modeling the Dispersion of Soil-Borne Plant Pathogens," 9:45 a.m., Room 213 Buckhout.
Intercollege Program for Genetics, William P. Winter, Center for Sickle-Cell Disease, Howard Univ., on "Hemoglobin Wayne: The First Human Frameshift Mutant," 3:55 p.m., Room 101 Altohouse.
Astronomy, Warren M. Sparks, Goddard Space Flight Center, on "Models for Nova Outbursts," 4 p.m., Room 445 Davey.
Statistics, Frank Haight, statistics and Transportation Institute, on "Some Difficulties

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

with Models for Truck Models," 4 p.m., Room 160 Willard.
Inorganic Chemistry, David Tate, Firestone Research Labs, on "Synthesis of New Phosphazene Polymers," 8 p.m., Room 333 Whitmore.
Wednesday, May 16
Nutrition Program, R. Rajalakshmi, Univ. of Batoda, India, on "Some Problems Posed by Gestation and Lactation Performance of Poor Indian Women," 4 p.m., Room 108 Henderson.
Thursday, May 17
Mathematics, Pavol Hell, Rutgers Univ., on "On Graphs with Constant Link," 4 p.m., Room 115 McAllister.
Statistics, Alan Sampson, Univ. of Pittsburgh, on "Positive Dependence of the Bivariate and Trivariate Absolute Normal, t, X₁ and F Distributions," 4 p.m., Room 60 Willard.

Exhibits

Chambers Gallery: Art Education Undergraduate Student Show, through May 16; CENPAC Exhibits, secondary school students' work, opens May 19.
Kern Commons Gallery: Alex Fletcher Memorial Art Center, Traveling Exhibit, Lionel Reiss, etchings.
HUB Gallery: Dottie Toone, pastels; Slavic Folk Art, both through May 13. Art Dept. Undergraduate Student Exhibit, through May 15. CENPAC Exhibit, elementary and junior high school students' work, opens May 18.
Museum of Art: Alumnus gifts 1972-1979; works from the permanent collection; "The Inmate Worlds of Faust and Titolo."
Old Main, Room 117: Carol Fastuca and Jeanne LaSage, BFA candidates, prints and drawings, through May 16.
Pattee Library: James Murray-Thompson, drawings; East Corridor Gallery, Richard Rybczynski, photographs, Lending Services Lobby, both through May 16.
Zoller Gallery: Graduate Thesis Exhibits, through May 21.

News in Brief

Health insurance reminder

Faculty and staff members with children are reminded that dependent children are covered under the University's health insurance program until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23. Therefore, it may be desirable to seek other health insurance coverage in advance if one's children are approaching age 19 or 23.
The University's insurance carrier does offer a hospital/surgical/major medical plan to which the group insurance program may be converted. Information and application forms for this conversion coverage may be obtained from the Employee Benefits Division, Room 133 Willard Building (865-1473).
Information about other, independent coverage can be obtained from commercial agencies or salespersons.
"Roots" author to speak
May 11 for Colloquy program
Alex Haley, author of the best-selling *Roots*, will speak at 8 p.m. Friday, May 11, in Recreation Building.
Sponsored by Colloquy, his talk is free of charge to the public. Mr. Haley will also open the floor to questions from the audience.
Mr. Haley's name became a household word with the publication of *Roots* in 1976, and his family history - which many consider to be a microcosm of the black experience in America - received the Pulitzer Prize.
In 1977 ABC-TV brought *Roots* to television in mini-series format, garnering some of the largest audiences in video

history. Popular demand for the rest of the saga led Mr. Haley and ABC-TV to create *Roots: The Next Generations*, aired earlier this year.
The tale of Mr. Haley's search for his family's roots is widely known. In the 12-year process of tracing his maternal family back to the Mandingo youth named Kunta Kinte, he had to travel three continents, make 25 trips to Africa, make visits to the Library of Congress and the British Museum, and converse with hundreds of people in many countries.
Mr. Haley finished high school at 15 and went on to college, but after two years enlisted in the U.S. Coast Guard, remaining in the service for 20 years. He began a career as a freelance writer, breaking through when the Reader's Digest asked him to be an assignments writer. He also became associated with Playboy Magazine, initiating the now famous "Playboy Interviews" and interviewing, among others, Nazi leader George Lincoln Rockwell and black Muslim leader Malcolm X, who became the subject for Mr. Haley's first book.
Currently, Mr. Haley is completing work on his new book, *Search*, the story of his experiences in the quest for his ancestors.
Materials Research Day
will be held May 14
Four speakers will present talks at Materials Research Day, which will be held Monday, May 14. Sponsored by the Materials Research Laboratory, the program is designed to underscore the mutual research interests of universities, industries and government.
Dr. John O.M. Bockris, a faculty member at Texas A&M University and adjunct professor of materials research at

Penn State, will discuss "Some Materials-Engineering Problems" at 9:30 a.m. At 10:50 a.m., Dr. Peter Swarm, of Gator, Inc., and an adjunct professor of metallurgy and materials research at the University, will talk about "Recent Advances in Materials Characterization." "University and Industry: The Odd Couple" will be the topic of Dr. Erik Pelt of the Xerox Corporation at 3:45 p.m. MRL Director Rustum Roy will bring the proceedings with an "Overview of Materials Research in Nation, State and University" at 8:45 a.m. The talks will be held in Room 189 MRL. Tours of the lab will be offered during the day, and four students will be honored for superior work.
Congressman Walker to talk
Congressman Robert S. Walker, of Pennsylvania's 16th District, will speak on "The Interface of Science and Politics" at 8 p.m. Monday, May 14, in Room 102 Forum, as the guest of the Central Pennsylvania Section of the American Chemical Society. Mr. Walker, a member of the House Committee on Science and Technology, will afterwards open the floor to questions from the audience.
Football applications due
Applications for faculty/staff football season tickets are now available at the Athletic Ticket Office, Room 237 Recreation Building. Full-time faculty/staff who do not already have season tickets can order a maximum of two tickets. Orders will be accepted on a first come, first served basis from May 21 to May 29. A maximum of 500 seats will be sold, and all seats will be assigned in the north end zone.
Faculty/staff members who ordered season tickets last year should have

reordered their tickets by this time. Anyone who had seats last year and wants them again this year should return the application immediately.
Mother's Day concert
The annual Mother's Day Concert by the Penn State Glee Club is scheduled for 3 p.m. Sunday, May 13, in Schwab Auditorium.
Several selections from *The Mikado*, the operetta by Gilbert and Sullivan, highlight the first part of the program.
The Hi-Los, selected members of the Glee Club, will perform at the concert, and two of the songs, "My Hero" from *The Chocolate Soldier* by Oscar Strauss and "Romany Life" from *The Fortune Teller* by Victor Herbert, will feature soprano Suzanne Murphy, a graduate student in music.
Claude Debussy's "Invocation," set to a poem by Lamartine, will open the second part of the program. Tenor David Hudson and pianist Timothy Shuey, both graduate students in music, will be featured on this piece. Harmonica player David Hoenberg and pianist Jay Zimmerman will accompany the Glee Club in two Pennsylvania mining songs, "Union Man" and "Blue Monday." Tenor Winthrop Cashdollar and Mr. Hudson will sing a spiritual together.
The Glee Club is directed by Bruce Trinklein, associate professor of music.
Two chamber groups
to offer joint concert
"La Demence" by R. James Whipple, bassoonist and clarinetist with the Renaissance City Woodwind Quintet, will be performed by the quintet at 8:30 p.m. Sunday, May 13, in the Music Building.
(Continued on page 4)

Senate

(Continued from page 1)
not materialize during the course of a year) the principal amounts are allocated for library purchases and academic equipment.

The University has been allocating between \$600,000 and \$1 million a year toward academic equipment maintenance and purchases, the President said, adding that these allocations are based on need determined by a committee on which the Vice President for Research is a principal member.

Dr. Oswald expressed concern about any program which is designed to distribute "resources to units proportional to the volume of outside research funds generated by that unit."

"I would hate to see a situation whereby an academic unit of the University would be made ineligible to participate in a research recognition funding program because at a particular moment it was unable to generate outside funding. I think that would be unfortunate," Dr. Oswald commented.

He also expressed opposition to any reordering of the funds currently devoted to research initiation grants. About \$75,000 in temporary monies is set aside each year to help faculty members who have an idea they wish to pursue but for which they cannot find external funding. These funds, the President explained, are allocated strictly on the basis of the quality of a proposal.

"I think it is terribly important," the

President concluded, "that when a researcher has a good idea and it is judged worthwhile by his or her peers that it be eligible for funding."

Research Committee Chairman John B. Smith told Senators that the Committee's members had thought it was important to establish "the principle of recognition" and that they realized the amount of funding available might vary from year to year. "We are talking about a relatively small incentive program," he added.

Senator Robert Frank said he thought the University already recognizes research through its promotion and tenure system and that real recognition has to come from outside the University. "Locally recognized research sounds like an encouragement of parochialism," he said.

Dr. Richard G. Cunningham, vice president for research and graduate studies, said that research at Penn State does not always receive recognition. He continued:

"One of the problems endemic to this institution for a long time is the attitude of taking research for granted. Our research posture in this country is not all that great if we look at it in terms of dollar volume and graduate enrollment in proportion to our size."

Research funding at Penn State amounts to about \$58 million a year; it approaches \$70 million if indirect costs are included, Dr. Cunningham said.

"About three fourths of this amount is generated from research proposals written by faculty members," he continued.

"While some of these proposals are written as the result of assignments, most are not. They represent a voluntary action on the part of the faculty. Particularly in the tenured ranks, faculty do not have to write proposals or take on the extra work involved in such writing and then in carrying out research at the same time that they are maintaining a teaching schedule. This means that the 'climate' for research in each unit — which faculty may perceive as encouraging, or neutral, or even discouraging — is very important to Penn State."

"Research income and expenditures represent at least 15 percent and — depending on which elements one includes — as much as 25 percent of our academic enterprise. In these times of shortages of resources, I think it makes good sense to further encourage sponsored research. One way to do this is to let the people who write proposals know that their efforts are recognized and appreciated."

An amendment to the Committee's proposal was adopted by the Senate, along with the report. The amendment recommended that the incentive program apply to departments and locations but not to the intercollege research programs. The report and amendment are in the form of a recommendation to the President.

The Senate also held a forensic session to listen to brief reports from representatives of the four Task Forces on the Plan for the '80s and to allow Senators a chance to comment on them.

Awards

(Continued from page 1)
Department of Animal Science, and was named department head in 1970.

In 1975, there was a reorganization within the College of Agriculture that resulted in a new Department of Food Science and a restructuring to form a combined Department of Dairy and Animal Science, headed by Dr. Baumgardt. Asked to administer a department with 40 faculty, 89 staff, 45 graduate students and 175 undergraduates, he encouraged the development of a computer system for keeping all departmental accounts.

Dr. Baumgardt has received national honors for his contributions in the field of ruminant nutrition. He was promoted to his current post on March 1 of this year.

A native of Lafayette, Ind., he earned his bachelor's and master's degrees at Purdue University, and his Ph.D. in agricultural biochemistry-nutrition at Rutgers University in 1959. He served on the faculty at the University of Wisconsin until coming to Penn State.

The Barash Award was created in 1975 by the family of the late Sy Barash of State College to recognize annually a full-time member of the faculty, staff, or student body of Penn State at University Park "who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or welfare of fellow humans." It carries a \$1,000 stipend.

Sy Barash, a Penn State alumnus, was in business in State College from 1953 until his death in 1975. Over the years, he devoted much time, energy and leadership to humanitarian causes on and off campus.

Mr. Naginay, director of management services, has been a Penn State employee for more than 19 years. He was cited by the Award Committee for his volunteer service in the community, including his outstanding work for the American Cancer Society.

In 1977 and 1978, he won the Distinguished Crusader Award, presented by the Society's Pennsylvania Division for leadership of the Division Cancer Crusade.

Mr. Naginay is the 1979 standing crusade committee chairman for the cancer group's Pennsylvania division. He was standing crusade committee and crusade chairman

for 1977 and 1978. He has been a member of the board of the Centre County Unit for several years, serving as president of the board from 1973 to 1975. He also has been State vice crusade chairman, area vice crusade chairman, Centre County crusade chairman and State College crusade chairman.

Listed in Outstanding Young Men of America — 1966, Mr. Naginay was active in the Jaycees, serving as president and director of the State College Chapter. A past director of the Hemlock Girl Scout Council, he served as general chairman of the 1979 Conference of CAUSE, the Professional Association for Development Use and Management of Information Systems in Higher Education.

Born in Lewistown, Mr. Naginay grew up in Milroy, Pa. He graduated from Penn State in 1954 with a degree in music education and subsequently earned a bachelor's and master's degree in industrial engineering. Currently, he is working toward a doctorate in education.

During the Korean War, Mr. Naginay served as a fighter-bomber pilot in the Tactical Air Command.

Dr. Stoedefalke is professor of physical education and associate dean for academic affairs of the College of Health, Physical Education and Recreation.

The Donkin Award, which he will receive, was established in 1969 in honor of the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968. It is presented annually to the full-time member of the faculty or staff or to the retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University. It consists of a \$500 check.

Dr. Stoedefalke will be honored for his work in conducting an exercise program for faculty and staff members considered "high risks" for heart attacks. Since joining the Penn State faculty in 1970, Dr. Stoedefalke has worked five days a week with a group of individuals who either have had heart attacks or who have been identified as high risks through screening programs.

According to the nominating citation, Dr. Stoedefalke's "willingness to devote time to this group of people is truly service beyond regularly assigned duties. His time and effort commitment ranges from individual counseling sessions with

patients to the leading of group activities, to one extreme case in which he literally walked an overweight, high cardiac risk faculty member for three nights a week for six weeks until the man's confidence in his ability to function physically was restored."

Dr. Stoedefalke was on the faculty at the University of Wisconsin for 10 years before coming to Penn State. A graduate of Wisconsin, from which he also holds a master's degree, Dr. Stoedefalke earned his doctorate from the University of Illinois.

He has written widely on the subject of fitness and has been a pioneer in the developing of fitness programs for cardiac-risk individuals. He was made a fellow of the American College of Sports Medicine in 1965, and the College cited him for his work in 1978.

News in brief

(Continued from page 3)

Rectal Hall. The Pittsburgh group will appear in a joint concert with the Alard String Quartet.

The two groups will perform works by Ferenc Farkas, Ludwig Thuille and Anton Reicha in addition to the Whipple piece. Five Hungarian dances of the 17th century, "Intrada," "Lasso," "Lapokas tane," "Chorea" and "Ugros," all arranged by Farkas, will open the program. Thuille's Sextet in B flat Major, opus 6, will follow the dances. Closing the program will be Reicha's Octet, opus 96.

The Renaissance City Woodwind Quintet, composed of Natalie Rothemel, flutist, William Lewis, oboist, Michael Jacob, clarinetist, Elizabeth Mairs, hornist and R. James Whipple, bassoonist and clarinetist, will be assisted in this performance by Mary Beth Lewis, pianist. Formed in 1975, the quintet specializes in performing contemporary American music.

The Alard String Quartet is composed of Joanne Zagst Feldman and Donald Hopkins, violinists, Raymond Page, violinist, and Leonard Feldman, cellist, all of whom are associate professors of music.

AMOCO

(Continued from page 1)

Animal Science, student evaluations show that Dr. Cash's students "feel that he is almost one of them because of his belief in their capabilities. He is a good friend, in addition to being a valued and respected teacher."

Dr. Wickersham won the outstanding teacher award presented by the College of Science Student Council in 1973, an award for which he was nominated by students in four of his classes.

His field of expertise is reproductive physiology, and he has developed and taught courses on human sexuality for University undergraduates and graduate students. In addition, he frequently presents seminars, conferences and workshops for teachers, clergymen, parents and medical personnel.

Dr. Keiper last year won the Christian R. and Mary F. Lindback Award, one of Penn State's most prestigious teaching awards. At that time, students and faculty members cited him as "a gifted, devoted teacher who understands that good teaching is more than a collection of communication skills. . . ."

Although probably best known for his work with the feral ponies at Assateague Island, Dr. Keiper has a broad range of interests in ornithology, zoology, animal behavior and ecology. He encourages independent student research, and he founded and directed the Free University at Mont Alto. He has taught a number of Free U courses.

Dr. Hirschfeld was presented the Ogontz Campus's outstanding teacher award in 1974. She has been active in curriculum development at the Campus and is known for her ability to generate enthusiasm for the study of history among her students through innovative approaches to the subject matter.

Her major research interest is imperialism in history. She is the author of a book, published this month, entitled "The Diplomacy of the Partition: Britain, France and the Creation of Nigeria, 1890-1898."

Staff Vacancies

The following vacancies for positions classified as staff except for staff noncompetitive have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 665-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 17, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

PROGRAM ASSISTANT — CONTINUING EDUCATION, Capital Campus Provide assistance to the Area Director in planning, implementing, and conducting a Continuing Education Program of the Campus service area, responsible for supervising all office procedures, exercising fiscal controls and maintaining records. Bachelor's degree, plus one to two years of directly related experience.

AREA REPRESENTATIVE — CONTINUING EDUCATION, Delaware County Campus Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience in business, industry or education.

PERSONNEL SPECIALIST — OFFICE OF PHYSICAL PLANT, University Park Responsible to the Area Director for recruiting, interviewing and selection of technical service, clerical and staff employees. Interpret and administer University policies and labor agreements. Assist in the overall employee relations program of the Department. Serves as liaison between the Office of Physical Plant and the Office of Personnel Administration. Minimum requirements are a bachelor's degree in business administration, with one to two years of directly related experience.

ADMINISTRATIVE ASSISTANT — LIBERAL ARTS, University Park Responsible to the Head of the Department of Political Science for administrative functions of the Department, including the coordination and processing of delegated responsibilities, particularly pertaining to faculty and student problems, personnel administration, and liaison with other departments and organizations. College or university graduate with a bachelor's degree and over one year and up to and including two years of directly related experience in related administrative work.

Penn State Intercom



Last week's heat wave sent a number of classes outdoors.

Eisenhower to address University Park graduates

Dr. Milton S. Eisenhower, president emeritus of the University, will be the speaker at Penn State's Spring Term commencement exercises Saturday, May 26, at 10:30 a.m. in Beaver Stadium.

More than 5,000 graduates — the largest group in Penn State history — will receive degrees in the University Park ceremonies. President Eisenhower will preside and will confer degrees, along with Quentin Wood, president of the Board of Trustees, and Provost Eddy.

"We at Penn State are deeply honored that Dr. Eisenhower has accepted the speaker's role at this commencement," said Dr. Oswald. "His career at Penn State and elsewhere has made him one of the great Americans of our century."

Dr. Eisenhower, president of Penn State from 1950 to 1956, has had a distinguished career as an educator and public servant.

Born in Kansas he worked his way through Kansas State College and then served the federal government as a vice consul in Scotland and as a key official in the U.S. Department of Agriculture and the Office of War Information. He became president of Kansas State in 1943 and came to Penn State as president in 1950.

Dr. Eisenhower's administration was a period of advancement and growth. Penn State formally became a university in 1953, a recognition of the scope and depth of its programs. He oversaw major advances in research, and Dr. Eisenhower's influence greatly increased Pennsylvania industry and business support for the University.

His presidency also saw the opening of the Hetzel Union Building and groundbreaking for the interdenominational chapel named for his late wife, Helen Eakin Eisenhower. In 1956 — Penn State's centennial year — Dr. Eisenhower's brother Dwight D. Eisenhower, then president of the United States, visited the campus as a commencement speaker.

Dr. Eisenhower accepted the presidency of Johns Hopkins University in 1956 and

served that institution until 1971. In 1974, the Milton S. Eisenhower Auditorium was dedicated in his honor at Penn State.

In a governmental career that included service to eight presidents, Dr. Eisenhower was special ambassador to Latin America for eight years and served on a dozen presidential commissions, five of them as chairman. Among these was the President's Commission on the Causes and Prevention of Violence in 1968-69.



Dr. Eisenhower

Among the candidates for degrees at the University Park commencement are more than 4,700 seniors to receive baccalaureate degrees, 296 candidates for master's degrees and 101 to be awarded doctorates. Another 24 are candidates for two-year associate degrees and three, for the bachelor of philosophy.

In the event of rain, there will be three morning ceremonies at 10:30 a.m. Business Administration, Agriculture, and Health, Physical Education and Recreation graduates will assemble in Recreation Building where Dr. Eisenhower will speak. Engineering's ceremonies will be held in Eisenhower Auditorium and the Graduate School's in Schwab.

At 1:30 p.m., Recreation Building will be the scene of graduation ceremonies for Arts and Architecture, Human Development, Education, Earth and Mineral Sciences and Science. Eisenhower will be used for Liberal Arts, Associate Degree and Bachelor of Philosophy candidates.

State College grade stations will announce any change in plans.

Commencement exercises

The Milton S. Hershey Medical Center, May 19, 10 a.m. Dr. Eric Walker, president emeritus of Penn State, speaker. 98 M.D.s and 8 graduate degrees.

Behrend College, May 26, 10:30 a.m. Congressman Mark Lincoln Marks, speaker. 130 graduates.

Capitol, June 17, 11 a.m. Speaker undecided. 500 graduates.

Radnor, no separate ceremony.

Allentown, no separate ceremony.

Altoona, May 26, 10:30 a.m. George Sullivan, vice president of Rockwell International, speaker. 151 graduates.

Beaver, May 25, 7:30 p.m. Dr. Joseph P. Giusti, director of Beaver Campus, speaker. 75 graduates.

Berks, May 26, 10:30 a.m. No speaker. 135 graduates.

Delaware County, May 26, 10 a.m. J. Lee Everett, president of Philadelphia Electric, speaker. 45 graduates.

DuBois, May 25, 2 p.m. Dr. Robert Butler, professor of biology at Penn State, speaker. 90 graduates.

Fayette, May 26, 10:30 a.m. Michael McConville, student, speaker. 97 graduates.

Hazleton, May 25, 7 p.m. Betty Harlor, president of Hazleton Educational Council, speaker. 78 graduates.

News in Brief

"Threepenny Opera" now on Summer theatre program

The *Threepenny Opera*, Kurt Weill's and Bertolt Brecht's 1928 musical satire about crime and debauchery in 18th century London, will appear in The Playhouse July 5 through 22 as part of the Festival Theatre's 22nd consecutive professional season at the University.

The Festival Theatre's planned production of the musical *Showboat*, originally announced for production during the same time period as *The Threepenny Opera*, was cancelled because performance rights were not available.

The John Hartford bluegrass concerts, part of Nittany Mountain Summer Spectrum, will be held July 14 at 7 p.m. and 9:15 p.m. in Eisenhower Auditorium, not July 12 as originally announced.

Tickets for all Nittany Mountain Summer performances will go on sale June 4 when the Festival Theatre box office, located in The Playhouse, and the Spectrum box office in Eisenhower Auditorium open.

Further information about Nittany Mountain Summer may be obtained by writing Nittany Mountain Summer, Room 113 Arts Building, University Park, PA 16802, or calling (814) 865-1749.

Museum's Friends offer trip to New York exhibits

The Friends of the Museum of Art are sponsoring a June 7 and 8 tour to New York to visit the Treasures from the Kremlin exhibit at the Metropolitan Museum of Art and the Pompeii A.D. '79 exhibit at the American Museum of Natural History.

A bus will leave State College at 8:30 a.m. Thursday, returning in time for dinner on Friday. Cost of the trip is \$130, of which \$25 is tax deductible as a gift to the Museum. In addition to transportation, hotel accommodations are included and two lunches, one of them in the Tavern-on-the-Green restaurant.

Reservations may be made by calling the Museum at 865-7672.

Next INTERCOM June 7

INTERCOM will not be published during the term break. The next issue will appear on Thursday, June 7, and will contain the Summer Term Calendar.

Fall preregistration forms due at Shields by May 25

Advisors are asked to note that eligible University Park students who have not preregistered for Fall Term 1979 are urged to do so by May 25. When completed, preregistration forms should be filed with the Records Office, Room 112 Shields Building.

Library space available

Members of the faculty who wish to obtain "Faculty Studies" in Pattee Library for the Summer Term should note that the assignments will be made on a first-come, first served basis Tuesday, May 29, beginning at 7:15 a.m. in Room 106 Central Pattee. There are only 33 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

(Continued on page 3)

(Continued on page 2)

Penn Staters

Dr. Edwin L. Herr, professor and head of the Division of Counseling and Educational Psychology, was recently selected as Distinguished Educator for 1979 by the College of Education and the Phi Delta Kappa chapter of The Ohio State University. On May 7 and 8 he delivered the Distinguished Educator Lecture on the topic "International Trends in Career Development: Implications for Education" and presented seminars for faculty and students. Dr. Herr has also been selected to provide the keynote address on July 2 to a UNESCO sponsored conference on guidance and curriculum at Cambridge University, England. A research fellow of the Japan Society for the Promotion of Science, Dr. Herr is president of the National Vocational Guidance Association and the U.S. representative to the eight-person Executive Council of the International Round Table for the Advancement of Counseling, London.

Ray T. Fortunato, assistant vice president for personnel administration, has been honored with the first annual Diederich K. Willers Award for excellence in the personnel profession in higher education. The award was presented at the 23rd annual conference of the Eastern Region of the College and University Personnel Association, held recently in Hartford, Conn. The award is given to the Eastern Region CUPA member who has contributed over a period of many years to the cumulative knowledge and stature of the human resource profession within higher education and whose services to the profession have established him or her as an accepted leader within the field.

Robert J. McIntyre, assistant professor of economics, and Stephen P. Coelen, University of Tennessee, presented an invited lecture at the Harvard University Center for Population Studies on May 2. They discussed "Frontiers of Quantitative Modeling in Demography: Social Policy in Eastern Europe."

Dr. George L. Maurer, professor of art history, will present a lecture on May 17 in Zurich, Switzerland, at the opening of an exhibit, "Cuno Amiet and Brucke," at the Kunsthau. Dr. Maurer organized the show for the museum and wrote the catalog for it. The exhibit will also travel to West Berlin, opening there on Aug. 30 at the Brucke-Museum.

Dr. Harry R. Alcock, professor of chemistry, recently presented invited lectures at the City University of New York, the University of Cincinnati, Carnegie-Mellon University, the University of Virginia, and the University of Connecticut. He discussed the growing role of inorganic chemistry in macromolecular synthesis.

Dr. Robert A. Schlegel, assistant professor of microbiology and cell biology, recently presented an invited talk at a symposium entitled "Introduction of Macromolecules into Viable Mammalian Cells" at the Temple University Medical School. He discussed "Red Cell Mediated Microinjection of Quiescent Fibroblasts."

Dr. David L. Pearson, assistant professor of biology, recently presented a seminar to the University of Arizona's Department of Ecology and Evolutionary Biology. He discussed Arizona tiger beetles.

Three College of Agriculture faculty members were cited recently for outstanding achievement by Gamma Sigma Delta, the honor society of agriculture. Honored for exceptional service in research was Dr. Robert L. Cowan, professor of animal nutrition. Dr. Leon J. Johnson, associate professor of soil mineralogy, was cited for outstanding work as a teacher, and Herbert C. Gilmore, professor of dairy science extension, was honored for his achievements in Extension work.

Dr. John W. Furlow, assistant professor of history at the DuBois Campus, has been appointed associate director for academic affairs at the Campus, effective June 1.

Dr. Furlow will fill a position that has been vacant since September 1978, when his predecessor, Dr. Jacqueline L. Schoch, was promoted to Campus director.

Dr. Furlow joined the DuBois Campus faculty in 1977, and currently serves as chairman of the Faculty Congress. He previously was dean's representative for the two-year letters, arts and sciences degree program and the four-year liberal arts degree program. In addition, he is a member of the curricular affairs committee of the College of the Liberal Arts.

His research interests lie in the area of Pennsylvania history, and he has published articles on women who have made notable contributions to the Commonwealth. Currently, he is working on a book entitled *An Urban State Under Siege: Pennsylvania and the Depression*.

Before coming to DuBois, Dr. Furlow held a special appointment to Luzerne County Community College. From 1970-75, he was assistant professor of history at Wilkes College.

A native of Philadelphia, he received an A.B. from Middlebury College, an M.A. from the University of Michigan, and a Ph.D. in history from the University of North Carolina.

Dr. Robert B. Mitchell, associate professor of biology, has been honored with the 1979 C.I. Noll Award for excellence in undergraduate teaching in the College of Science. The Noll Award is granted by the College of Science Student Council.

Dr. Mitchell joined the faculty as an assistant professor in 1969 after earning a Ph.D. in physiology at the University. He was promoted to associate professor in 1977. He is a graduate of Denison University and received his M.S. degree from Ohio University. He teaches undergraduate courses in mammalian anatomy, the biology of aging and the biology of man, a biological sciences course for non-science majors. He designed and organized the latter two courses, each of which draws about 300 students per term. His research interests center on basic molecular mechanisms controlling cellular aging and how rates of cellular aging can be modified. He is associate chairman of the Penn State Gerontology Center.

Dr. Murry R. Nelson, assistant professor of education, recently spoke as a visiting scholar at several universities in Virginia and North Carolina on the subject of "Law in the Curriculum." He gave addresses at Virginia Polytechnic Institute and State University, Radford College, Lynchburg College, and Johnson C. Smith College.

John Z. Shearer, Franklin County Extension agent, has been named a national winner of the Agricultural Recognition Awards Program, sponsored by Ciba-Geigy and the National Association of County Agricultural Agents. He will receive an expense-paid trip to Europe, visiting farms, orchards, vineyards, and other agricultural establishments in Holland and Switzerland. The objective of the Ciba-Geigy Contest is to recognize an Extension worker in the United States who has developed and carried out outstanding educational programs in crop production. Mr. Shearer was cited for his educational program to improve yields and profits from growing quality alfalfa in Franklin County.

Obituary

Theodore M. Johnson, director of the Curriculum Materials Center in the College of Education, died May 9. He was 38 years old.

A graduate of Clarion State College, he received M.Ed. and Ed. degrees from Penn State in 1967 and 1974, respectively.

He taught in the State College area school system before joining the University staff in 1968.

Libraries to extend automation

The automated circulation system which has been in operation at the main Lending Service desk in Pattee since Jan. 22 will be extended to the Engineering, Earth and Mineral Sciences, Physical Sciences, and Mathematics branch libraries during the upcoming Summer Term.

Under this system, new borrowing policies for regularly charged books will go into effect in the branches at the time the circulation system becomes operational. These policies will be identical to those in practice at Pattee. A simplified fines schedule for overdue course reserves, special permission loans and materials recalled for course reserves and personal reserves for other borrowers has been in effect at Pattee and branches.

The new system requires that all borrowers return or renew materials on or before the date due for return to the Libraries. For regular loans on the automated circulation system, a reminder note will be sent to the borrower whose materials have become overdue. If this reminder is not heeded and the materials returned or renewed, after the Libraries' records are checked and the stacks searched, a notice of presumed loss will be sent and a \$3 search fee assessed on each

overdue item to recover some of the costs incurred by the Libraries. If the item is not returned, the cost of its replacement and a \$12 processing fee will be levied.

Borrowers are reminded that when they are returning overdue items, they should bring them to the attention of the library personnel at the point of return. This will ensure proper correction of the records. If fees are not paid at this time, a further notice will have to be generated and sent out, with a fee of \$1. These measures have been adopted simply to recover extra costs caused by delinquent borrowers and replace the fine system used in the manual system.

Those faculty, staff and students who have already registered for service at Pattee need not register again in order to borrow materials. Those who have not registered, however, will be required to do so either at the branches where forms will be available or at the main Lending Service desk in Pattee. Appropriate identification such as University ID card or driver's license is required.

Copies of policy statements are available at the main Lending Services desk in Pattee and at information desks in the branches.

News in brief

(Continued from page 1)

HUB Summer hours

The Terrace Dining Room in the HUB will be closed May 23 through June 3, according to Louis A. Berrena, manager of HUB food services.

The Terrace Room will reopen at noon, June 4 for the Summer Term.

The Lion's Den snack bar will close at 2 p.m. on May 22. On May 23-May 29, May 31 and June 1, the Lion's Den will be open from 7:30 a.m. to 1:30 p.m. For the remainder of Summer Term, the hours will be from 7 a.m. to 2 p.m.

Both the Terrace Room and Lion's Den will be closed Saturdays and Sundays during Summer Term.

Guernsey archives arrive at Pattee

The University Libraries have received the final donation of the archive of Bernard Guilbige Guernsey Sr.

Mr. Guernsey, a publisher, writer, poet, and owner of a bookstore in New York City, was a leading translator of classical and modern Russian literature. His translations included works by Chekov, Gogol, Gorkii, Turgenyev, A. Tolstoy, Bunin, Merzhkovskii and Pasternak.

The University first officially accepted the gift of his archive in 1974. Included were manuscripts, proofs, correspondence with writers and publishers, photographs and other documents.

Since that time his son has added other important material selected by his father for the collection.

Mr. Guernsey's son, Dr. Bernard G. Guernsey Jr., is professor of human development at the University. Mr. Guernsey's daughter-in-law, Dr. Louise Guernsey, is an associate professor of human development.

Mr. Guernsey died March 30. Shortly before Christmas, he arranged for the last shipment of his collection to Penn State. It includes many rare and out of print editions of Russian classics as well as a large number of original letters from authors, publishers and other cultural figures.

\$342,000 grant to allow PSU to work with health care centers

The Robert Wood Johnson Foundation has awarded a \$342,000 grant to the University to enable it to work over the next 30 months with seven primary health care centers in central Pennsylvania.

According to Dr. Marshall W. Raffel,

professor of health planning and administration and project director, the purpose of the grant is to demonstrate what a land-grant university can do to help such centers develop and maintain the widest possible range of health services, and to facilitate the recruitment and retention of physicians and dentists.

The project is a cooperative applied research and demonstration effort of the Health Planning and Administration program in the College of Human Development and the Department of Family and Community Medicine in the College of Medicine at Hershey. A close association with the Cooperative Extension Service is envisioned for the project's duration.

"Faculty members and graduate students will be involved in a variety of applied research efforts with health center professionals," Dr. Raffel said. "This research is designed to shed light on and provide solutions to community health problems. It also will enable students to learn more about rural health needs and opportunities and to acquire the skills for working in such communities after graduation."

"We hope that other University faculty members, along with other community and regional health agencies, will see opportunities to become involved in collaborative research efforts and consultation," he added.

The grant for the project is the first ever awarded to the University by the Robert Wood Johnson Foundation.

Pastel artist to teach third Summer workshop

Albert Handell, nationally known award-winning pastel artist and teacher, will return to Penn State to teach his third consecutive Summer Pastel Workshop at University Park.

The workshop begins June 1, and the format has been expanded into a five-day program, meeting from 9 a.m. to 4 p.m. daily in Room 315 Visual Arts Building.

Offered as a continuing education service of the College of Arts and Architecture, the program is co-sponsored by the Art Alliance of Central Pennsylvania.

The noncredit workshop is open to all interested adults and requires no specific artistic background or experience.

Preregistrations are recommended, and class size is limited since the artist provides close personal supervision of each student's progress. To enroll or receive further information, contact Penn State Continuing Education, 309 Shields Building, University Park, PA 16802, phone (814) 865-3443.

Calendar

May 17-June 6

Special Events

Thursday, May 17
Final examinations, through May 21.
Commonsplace Theatre, Warner's Animation Festival, Part 1, 7 and 9 p.m., Room 112 Kern. Also May 20.

Friday, May 18
Arts in Education Project, "Very Special Arts Festival," workshops for handicapped children, 9 a.m.-2 p.m.; performances by Imaginarium, Carnegie Institute Museum of Art, 11:15 a.m., and Lovelace Puppet Proposition, 1:15 p.m., HUB.
Commonsplace Theatre, Casablanca, 7 and 9 p.m., Room 112 Kern. Also May 19.

Saturday, May 19
Sports: women's track, Lady Lion Invitational. Showcase in the Arts, Central Pa. school children perform and display artistic skills, 10 a.m., all day. Elementary programs, Kern; secondary programs, HUB.

Monday, May 21
Sports: men's track, Penn State Open.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, May 22
Residence Halls close for Spring Term, 3 p.m.

Thursday, May 24
Board of Trustees meeting, Keller Bldg. Also May 25.

Saturday, May 26
Spring Term Commencement, 10:30 a.m., Beaver Stadium. Dr. Milton S. Eisenhower, president emeritus, speaker. In case of rain, local radio for information.
Demonstration of traditional charcoal-making, all-day, Shaver's Creek Nature Center, Stone Valley. Also May 27.

Monday, May 28
Memorial Day - holiday. University offices closed.

Thursday, May 31
Alumni Class Reunion Week, through June 2.

Friday, June 1
Alumni Institute - free tickets at registration desk, Keller and Nittany Lion Inn. Panel discussion on gerontology, Keller Auditorium, 10:30 a.m.; various lectures, 2 and 3:30 p.m., Keller.

Max Morath, historian of American popular music, pianist and actor, "The Ragtime Years," 8 p.m., Schwab.

Saturday, June 2
All-Class Luncheon, 12:30 p.m., Rec Hall.
Distinguished Alumni Awards, Lions Paw Award, Honorary Alumnus Awards Presentation. Tickets at door, \$4.50.

Sunday, June 3
Summer Term students arrive. Residence Halls open, 8 a.m.

Monday, June 4
Orientation and Advising.

Tuesday, June 5
Registration for Summer Term classes, 8 a.m.-noon, 1-5 p.m., IM Bldg.

Wednesday, June 6
Summer Term classes begin, 8 a.m.

Exhibits

Chambers Gallery: CENPAC Exhibits, secondary school students' work, May 18-31.

Kern Commons Gallery: Lionel Reiss, etchings, through May 21; Alex Fletcher Memorial Art Center, traveling exhibit, through May 27.

HUB Gallery: CENPAC Exhibits, elementary and junior high school students' work, May 18-31; Art Department Undergraduate Student Exhibit, open May 26 only.

Museum of Art: "The Intimate Worlds of Faust and Titilo," Alumni Gifts 1972-1979; works from the permanent collection.

Zoller Gallery: Graduate Theses Exhibits, through May 21



Max Morath with his Edison.

"Ragtime Years" will be revived by Morath

Max Morath, pianist and actor with a vaudeville flavor, will present "The Ragtime Years" at 8 p.m. Friday, June 1, in Schwab Auditorium. His appearance is part of the Alumni Reunion Weekend.

Mr. Morath, an historian of American popular music, performs ragtime and show tunes, including the music of Scott Joplin, Irving Berlin and George M. Cohan.

Ragtime music flourished for about 20 years at the turn and beginning of this century. Mr. Morath does not remember the ragtime years personally, but dedicates his performances to the belief that ragtime is not irretrievably of the past. (In fact, more ragtime music has been written in the last two decades than in any other period since 1915.)

"I go out of my way to aim away from pure nostalgia," Mr. Morath says. "I try to tie the material of the ragtime era, via a hook, to a crossover young audience, to tie history into contemporary mores."

Mr. Morath became familiar with ragtime as a child, when his mother, a former silent movie pianist, still played many of the popular old ragtime tunes.

After early years in radio and television, with summers of acting and playing jazz piano, Mr. Morath began his career recreating for audiences the spirit of the ragtime era. He first appeared in New York in 1963 doing his one-man show. He has since become widely known for his touring concerts and television appearances, including two PBS series.

Many of his own ragtime compositions are recorded on his 13 albums. The theatre production "Max Morath at the Turn of the Century" was seen in New York and on tour for three years.

Mr. Morath is aided in his one-man show by a grand piano, an old Edison phonograph and his acting and broadcasting experience. In his book, *They All Played Ragtime*, Rudi Blesh describes Max Morath as "a reincarnation of the old-time all-around ragtime entertainer."

Tickets will be available at the door on the night of performance and will be sold at the Eisenhower Auditorium box office, beginning May 29. Box office hours are 10 a.m. until 4 p.m.

Choir's performance to be heard on WP5X

Members of the University Choirs, under the direction of Raymond Brown, will be featured in a performance of Carl Orff's *Carmine Burana* at 9 p.m. Saturday, May 19, on "Previn and the Pittsburgh," which will be broadcast on WP5X-TV, Channel 3 in the Centre County viewing area.

The performance was recorded in early February during a concert at Heinz Hall in Pittsburgh. The Choir performed the cantata there with the Pittsburgh Symphony Orchestra under the baton of Andre Previn.

Carl Apone of the Pittsburgh Press described the choir as "singing with simplicity and conviction. . . Every phrase and accent is shaped with astonishing finish and delicacy. The texture is fine, clear, and when they go full throttle, the tone is rounded and never of a forced quality."

"These honey-toned choristers were breathtakingly well-drilled and disciplined by their director Raymond Brown," Mr. Apone concluded. "Their talent, knowledge and respect for the music combined to make this one of the finest performances I have heard in the work."

University Libraries Hours

Extended Hours Reserve Room (Pattee)	
May 17, 18	Open until 2 a.m.
May 19	Open until 10 p.m.
May 20	Open until 2 a.m.
Term Break Hours Pattee and Branches (Except Pollock)	
May 21	7:45 a.m.-10 p.m.
May 22-25	7:45 a.m.-5 p.m.
May 26-28	Closed
May 29-June 1	7:45 a.m.-5 p.m.
June 2, 3	Closed
June 4, 5	7:45 a.m.-5 p.m.
June 6	Begin Summer hours*
Pollock Library Hours	
May 21	9 a.m.-7 p.m.
May 22-June 5	Closed
June 6	Begin Summer hours, 1 p.m.-midnight
*Summer Hours, Pattee and Branches	
Monday-Thursday	7:45 a.m.-10 p.m.
Friday	7:45 a.m.- 9 p.m.
Saturday	7:45 a.m.- 5 p.m.
Sunday	1 p.m.-10 p.m.

Minors employment policy restated

This is the time of year to keep in mind State and federal regulations and University policy on the employment of minors, the Office of Personnel Administration reminds.

The law defines a minor, for employment purposes, as anyone below age 18 who has not graduated from high school. (There is an exception to this when the chief administrator of the school district determines that an individual under age 18 has attained his or her academic potential and declares that a high school graduation is not required.)

University policy PS-2, Employment of Minors, specifies that a person under 16 years of age is not permitted to work for the University under any circumstances. In addition, by law, no minor age 16 or 17 can be employed by the University, even for one hour, unless he or she obtains a certificate of employment (commonly called working papers).

The certificate of employment is issued by the public school authority in which the minor resides, and must be on file in the University Employment Office before a minor begins to work. Certain special arrangements for obtaining certificates can be made for minors who attended school a long distance from the area in which they are being employed.

The certificate of employment is issued for the specific job for which the minor is employed. A minor cannot be transferred from one job to another, unless a new certificate of employment is obtained. Also, the Employment Division must be notified when the minor terminates employment, so that the certificate can be returned to the issuing school district as required by law.

Where there is any doubt about the age of an applicant for a position, the applicant must submit a proof of age card to you. This card is issued to the minor by the minor's school district when requested. Do not request a birth certificate. Birth certificates can indicate nationality and cause equal employment opportunity concerns.

Faculty members and staff are asked to refer to policy PS-2 if they are contemplating employing a minor. Any questions concerning the policy or employment certificate procedure should be directed to the Employment Division, 865-1387 (Network number 475-1387).

Commencements

(Continued from page 1)

McKeesport, May 26, 10 a.m. Senator Edward P. Zemprelli, speaker. 48 graduates.

Mont Alto, May 26, 11 a.m. Clifford L. Jones, secretary of the Department of Environmental Resources, speaker. 82 graduates.

New Kensington, May 27, 2 p.m. Congressman Donald Bailey, speaker. 71 graduates.

Ogontz, May 24, 8 p.m. Walter Conti, Penn State Trustee, speaker. 47 graduates. Schuylkill, May 26, 2 p.m. G. Harold Watkins, judge of Superior Court, speaker. 53 graduates.

Worthington Scranton, May 25, 7 p.m. Lieutenant Governor William Scranton, speaker. 60 graduates.

Shenango Valley, May 28, 2 p.m. Albert E. Acker, judge of Court of Common Pleas, Mercer County, speaker. 37 graduates.

Wilkes-Barre, May 26, 2 p.m. Speaker undecided. 64 graduates.

York, May 25, 8 p.m. Theodore L. Gross, provost and dean of Capital Campus, speaker. 71 graduates.

Penn State's 1977-80 Appropriation Request

Editor's note: This is the last in a series setting forth the University's funding request as presented by President Oswald to the House and Senate Appropriations Committees.

MEDICAL EDUCATION

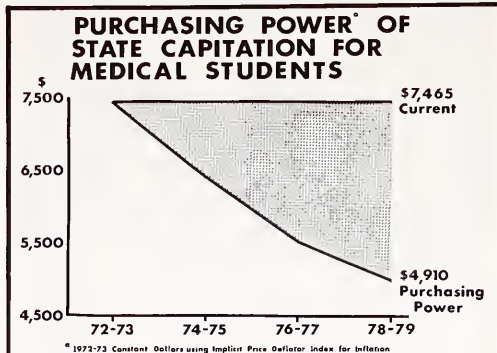
As a part of Penn State and in the Land-Grant tradition, The Milton S. Eshesky Medical Center is dedicated to meet the health care needs of the Commonwealth. The dual priorities are primary health care, which includes family practice, and a more adequate geographic distribution of physicians in Pennsylvania. These key areas are deemed essential if Pennsylvania's medical needs are to be met. The College of Medicine has designed its policies and priorities in response.

Ten years ago the first class of 40 medical students matriculated in the Penn State College of Medicine. Today, there are 312 alumni and a current student body of 368. Of the Penn State alumni who have completed medical residency requirements and are practicing in Pennsylvania, 86 percent are located in "non-metropolitan" areas, and 72 percent practice in the area of primary care. A total of 244 M.D. alumni, former faculty members and residents, and physician's assistants now practice in Pennsylvania. In addition, 181 clinical faculty members and 177 residents are located at the Medical Center. A total of 602 providers of health care in Pennsylvania come from Penn State's Medical Center. Additional progress is projected for the future, as more doctors of medicine complete residency requirements and become practicing physicians.

Two important trends are noteworthy: First, graduates of The Pennsylvania State University College of Medicine tend to choose primary care practice, second, they tend to live in Pennsylvania's rural communities. The same two observations pertain to former faculty members and resident physicians. It appears that the efforts of the College of Medicine, in regard to providers of primary health care and adequate geographic distribution, are producing results.

Although the Teaching Hospital receives no State financial support, it provides high quality care and offers a wide scope of services in primary care. In a few short years, Penn State's Medical Center has become a vital resource to the entire State.

The Medical Center maintains formal



affiliation agreements with 13 community hospitals and one State institution. The primary emphasis of the affiliations is on patient care, continuing education, student education, and graduate medical education. Hospitals are located in Harrisburg (2), Lancaster (2), Altoona, Beaver, Clearfield, Danville, Reading, Lebanon, Elizabethtown, Johnstown, and Roaring Spring. Other community hospital relationships are being developed.

In the area of medical research, significant contributions are also being made. Training programs for related health professions are offered, including graduate medical sciences, clinical programs in nursing, physician's assistants, and radiologic technology. These and other programs have been introduced to deal with the medical needs of the Commonwealth.

A significant community health care program in Millersburg is designed to demonstrate effective new patterns for health centers in rural areas. Programs in continuing education, both for providers and for consumers of health care, help to make it possible for Pennsylvania's population to remain current in matters pertaining to health.

Support for the College of Medicine is based on a per capita appropriation which has not changed in eight years. The College of Medicine increasingly is hard pressed to meet the increasing costs due to inflation. The loss of purchasing power of the medical appropriation as shown in above Figure has necessitated major increases in tuition. In 1972-73, tuition for medical students was \$1,200. Today, the figure is \$4,400. Penn State currently has the highest M.D. tuition rate of any public Land-Grant university and is \$1,500 above the second highest, Ohio State University.

Some solution must be found to insure that we increase the incentive for students to enter the area of family practice/primary health care and serve those geographic areas presently underserved. Loan programs for students, with a forgiveness provision for practice in underserved areas in Pennsylvania, may provide a partial answer. It is also important that the per capita appropriation for medical education be increased.

CAPITAL PROGRAM REQUEST

In January 1977, the University appointed a

Physical Facilities Planning and Capital Program Review Commission, broadly representative of the academic and administrative interests at Penn State, in order to redesign the priorities of the University's long-term Capital planning recommendations. The Commission was charged to "conduct a thorough review of Penn State's physical plant resources, needs, construction commitments, capital program plan and associated operating cost implications." The result of the Commission's efforts was a completely revised capital program plan for the University.

Major emphasis of the program is placed on necessary changes in the utility systems at the various locations of the University so that the longer range goal of controlling and minimizing energy expenditures can be met.

The emphasis in the program is on remodeling and renovation of existing facilities so that the changing program demands can be met in the context of a relatively stable enrollment and without adding to the total square footage.

Since 1970, only four construction projects have been approved by the State — one building project each at the Beaver and Delaware County campuses, and two utility projects at the University Park campus.

The capital budget recommended by the Governor includes six projects for Penn State, totaling \$9,549,000. Four of these are utility and service system projects for the University Park campus, and the remaining two are original equipment addition to two new facilities at the Beaver and Delaware County campuses.

The projects recommended in the Governor's budget are in line with the University's priorities. University Park projects concentrate on improving several of the utility systems in order to reduce energy use, meet Federal and State requirements for environmental impact and increase the safety and flexibility of the utility systems. The projects at Beaver and Delaware County campuses provide the essential equipment for buildings currently under construction and planned for occupancy in the very near future.

The University fully supports the Governor's recommendations for capital projects for Penn State, and asks that the Legislature give careful consideration to passage of these critically needed appropriations.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 24, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

OPERATIONS MANAGER — UNIVERSITY BOOKSTORE, University Park. Responsible to the Director, Penn State Bookstore System, for the daily operations of the Penn State Bookstore at University Park, including personnel requirements, financial operations, shipping/receiving, customer service, cash handling and security. Act as Personal Representative for the bookstore. Bachelor's degree or equivalent, with knowledge of accounting principles and from two to three years of directly related experience, including supervisory experience, are required.

SENIOR AUDITOR, COMPUTER SYSTEMS — CONTROLLER'S OFFICE, University Park. Responsible to the Audit Manager for the analysis of systems and the development of computer programs to audit and evaluate the integrity of processing and reliability of controls in systems pertaining to a wide variety of University operational, financial and administrative activities. Bachelor's degree (or equivalent) in accounting, computer science or related management field; plus two to four years of directly related experience in internal auditing or in financial or operational facets of administration, including some experience in system design and programming. Incumbent must be able to express himself/herself both orally and in writing.

RESEARCH AIDE — AGRICULTURE, University Park. Conduct invitro rumen fermentations, prepare microscopic slides of biological materials, identify and count types of microorganisms. Prepare radioactive tracers and other samples for analysis, perform chemical analysis and counting of radioactivity, using sophisticated laboratory equipment. Operate and maintain recording automatic spectrophotometer; conduct enzyme assay using equipment, develop and

modify procedures in relation to data obtained. Prepare samples of feed, excreta, and biological fluids for analysis by atomic absorption spectrophotometer, analyze samples on amino acid analyzer, use electrophoresis and liquid, gas, and thin layer chromatography. Requires college level courses in analytical, organic, and inorganic chemistry, and biological sciences and mathematics. One to two years of directly related laboratory experience with demonstrated ability to conduct independent research required.

PRODUCER/DIRECTOR — CONTINUING EDUCATION, University Park. Responsible for directing all phases of instructional television/film production from program development through final production. Duties include development of program content in cooperation with content specialists, writing or supervising the writing of scripts, and planning, coordination and scheduling talent. Technical personnel and equipment, etc. for assigned productions, including working within established budget and time parameters. Bachelor's degree or equivalent, plus one to two years' effective experience as a television and film producer. Please submit sample program on 3/4 inch video cassette.

PUBLIC INFORMATION ASSISTANT, Ogoniz Campus. Responsible to the Campus Director for obtaining, organizing and disseminating information concerning Campus activities. This includes public information and public relations activities, and the planning and implementation of special Campus events. Bachelor's degree, plus one to two years of related experience in the newspaper, radio, television or advertising fields. Also requires experience with public information and public relations areas.

ASSISTANT COORDINATOR, RESIDENCE LIVING, Capitol Campus. Responsibilities include the supervision of resident assistants, liaison with Housing and Food Service, development of residence hall programming, advising of Residence Student Government; and maintenance of order in the residence halls. Requires living in residence hall. Bachelor's degree in student personnel or related area and one to two years of directly related experience.

OPERATING ROOM SUPERVISOR — COLLEGE OF MEDICINE, Hershey. Responsible for coordinating the preparation of the Operating Room schedule with anesthesia personnel. Assign operating room nurses to each Operating Room and assign auxiliary personnel to their respective areas. Coordinate with senior staff nurses, all instruments, equipment and supplies required for efficient functioning of the department. Direct all nursing care given to patients in the surgical suite. Conduct regularly scheduled staff meetings for all personnel.

Evaluate all safety measures that will prevent accidents to patients and personnel. Bachelor of science degree in nursing or equivalency, current licensure to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners, plus one to two years of directly related experience.

President will name Beaver search committee

President Oswald will be appointing an Advisory Search Committee to assist him in identifying candidates for the position of director at the Beaver Campus.

The Advisory Search Committee will identify those candidates who can provide the ablest possible academic leadership and competent administration of the Beaver Campus. Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the university level and/or administration of higher education.

Applications and letters of nomination should be directed to Dr. Robert Quinn, Room 111 Old Main, University Park, PA 16802 by Sept. 30.

Candidates sought for Human Development post

Candidates are being sought for the position of Associate Dean for Research in the College of Human Development.

The College of Human Development is a multi-professional and multi-disciplinary College conducting education and both basic and applied research in a broad range of scientific fields and related human service professions: health services planning, social welfare and community development, the administration of justice, individual and family development over the life span, nursing, nutrition, behavioral science applications to environmental planning and design, food

service and housing administration, and others.

Major responsibility involves providing administrative leadership for the continuation and further development of a broad array of research activities in the College. Candidates should have a doctorate in an area of behavioral, biological, or social science and a distinguished record in research and scholarship. Background and experience should reflect commitment to an interdisciplinary orientation, assertive leadership in the administration of both basic and applied research programs, successful record of obtaining research grant funding, and prior affiliation with strong graduate programs. Candidates should have commitment to continuation of personal involvement in research in an area related to the mission of the College.

Nominations and applications will be received until June 15. Curriculum vitae and inquiries should be addressed to: Dr. John R. Nesselrode, Search Committee Chairman, College of Human Development, Box 110, The Pennsylvania State University, University Park, PA 16802.

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Stanley O. Ikenberry

Bill Coleman photo

Dr. Ikenberry new U. of Illinois president

Dr. Stanley O. Ikenberry, Senior Vice President for Administration, has been elected President of the University of Illinois by its Board of Trustees.

Dr. Ikenberry has served as Senior Vice President at Penn State since 1971. Last fall he was designated by the American Council on Education and Change magazine as one of "the most respected emerging leaders in higher education."

Expressing his appreciation for Dr. Ikenberry's service, President John W. Oswald said:

"I have always been impressed by Dr. Ikenberry's breadth of vision and the grasp which he has on his responsibilities. He has been equally effective in working with Penn State's external

constituencies — the alumni, members of the legislature and friends — and with such internal groups as the University Faculty Senate, dealing with academic matters related to the educational heart of the University.

"His handling of this broad range of responsibilities is what has made him so effective in working with me and prepared him so well for his new and very challenging responsibilities. He and his very able wife Judy will be a great team.

Dr. Oswald noted that the University of Illinois is considered to be one of America's finest public universities.

"Although I hate to see Dr. Ikenberry leave Penn State," President Oswald said, "I think our University should be very

proud that the University of Illinois has come to us to find new leadership."

Dr. Oswald added that during the summer Dr. Ikenberry will concentrate his efforts on his role as co-chairman of the Steering Committee which is working on Penn State's Plan for the '80s. "We hope that much of the work on the Plan can be completed prior to Dr. Ikenberry's departure in September," President Oswald said.

Dr. Ikenberry noted that he and his family will leave Penn State with mixed emotions. "It isn't easy," he said, "to leave a University and a community that have been the center of our lives and work for nearly a decade. We treasure the

(Continued on page 6)

June 7, 1979 Volume 8, Number 35

Penn State Intercom

All-University promotions announced, effective July 1

The following promotions, effective July 1, have been announced by the University:

TO PROFESSOR

Gordon Bowker, engineering, Mont Alto
Carol A. Cartwright, education
Edward J. Ciolek, soil genesis and morphology
W. Edward Craighead, psychology
Roger J. Cuffey, paleontology
Samuel M. Curtis, agricultural education
Steven J. Danish, human development
Mukunda B. Das, electrical engineering
John J. Dinkel, management science
Altaïr B. Fraser, meteorology
Geoffrey C. Godbey, recreation and parks
Stella R. Goldberg, child development and family relations
Luis F. Gonzalez-Cruz, Spanish, New Kensington
Hannon R. Graves, poultry science
Roy J. Greenfield, geophysics
Martha T. Halsey, Spanish
Robert E. Henderson, mechanical engineering
Richard Hogg, mineral processing
John J. Horan, education
Derrill M. Kerrick, petrology
Ke Chung Kim, entomology
C. Gregory Knight, geography
Zeljko D. Kujundzic, art, Fayette
Frank J. Landy, psychology
A. James Liedtke, medicine, Hershey
Allan Lipton, medicine and microbiology, Hershey
Charles B. Manula, mining engineering
J. Robert Nuss, ornamental horticulture Extension
William H. Park, mechanical engineering
Donald L. Peters, human development
Richard J. Santen, medicine, Hershey

Robert L. Shrigley, education
James E. Stephenson, art
C. Shannon Stokes, rural sociology
John A. Stryker, radiology, Hershey
Luis H. Summers, architectural engineering
Frank J. Swetz, mathematics and education, Capitol Campus
Thomas M. York, aerospace engineering

TO ASSOCIATE PROFESSOR

Albert A. Anderson Jr., art education
Richard L. Barton, speech communication
Lynn A. Carpenter, electrical engineering
Harry J. Charlesen, business administration, DuBois
Samuel C. DeWald, management development
Mary M. Dupuis, education
Thomas A. Durkin, finance
Barry H. Dvorchik, obstetrics, gynecology and pharmacology, Hershey
Robert B. Eckhardt, anthropology
Rodney A. Erickson, geography
Richard H. Fox, soil science
Bernard L. Guss, engineering, New Kensington
David L. Gustine, crop physiology (adjunct)
James M. Hammond, medicine, Hershey
Paul B. Harvey Jr., history
Ernest F. Haessler Jr., mathematics, Hazleton
Robert P. Hosteller, mathematics, Behrend
Stephen F. Jablonsky, accounting
Bonnie M. Johnson, speech communication
Walter W. Johnson, forest resources Extension
John H. Kramer, criminal justice
Stephen P. Lagoy, criminal justice, Delaware County

Shirley Marchalonis, English, Wilkes-Barre
Dan E. Moore, rural sociology
Garry L. Mullen, mathematics, Shenango Valley
Kwado Osseo-Asare, metallurgy
Terry J. Peavler, Spanish and comparative literature
Charles C. Peiffer, chemical engineering
Stanley P. Pennypacker, plant pathology
Theodore H. Poister, public administration
William J. Ray, psychology
Terry D. Rader, forest resources Extension
M. Susan Richman, mathematics, Capitol
Cara-Lynne Schengrund, biological chemistry, Hershey
Joel I. Seiferas, computer science
Arnold F. Shapiro, business administration
Sukhjit Singh, mathematics, Altoona
Albert N. Skoma, English, Fayette
John M. Taylor, microbiology, Hershey
Kenneth A. Thigpen, English and comparative literature
David L. Webster, anthropology
Merwin L. Weed, engineering, McKeesport
Barry R. Weller, economics, Behrend
Lakshman S. Yapa, geography
Roger R. Zellner, art, Altoona

New Kensington

William J. Kelly, theatre arts
Dan W. Kennedy, recreation and parks
George M. Radakovic, economics, McKeesport
Stephen P. Sherman, art
Gerald W. Slagle, physical education
Winston J. Tweed, sociology, Allentown
Bruce A. Williams, political science
Paul A. Zawadzki, speech communication

TO SENIOR RESEARCH ASSOCIATE
Gilbert H. Hoffman, Intercollege Research Programs
Lynn D. Hoffman, Agriculture
Gerald C. Lauchle, Intercollege Research Programs

TO ASSOCIATE LIBRARIAN
Frances R. Cable
Ruth J. McFall
Barbara J. Smith

TO SENIOR ASSISTANT LIBRARIAN
Mary Grace D'Alesio, McKeesport
Deborah Masters
Beverly Renford

TO RESEARCH ASSOCIATE
Michael L. Billet, Intercollege Research Programs
Joseph W. Wakeley Jr., Intercollege Research Programs

TO ASSOCIATE EXTENSION AGENT
Donald J. Overdorff, Cumberland County
Jeanne M. Sowa, Carbon County

TO EXTENSION AGENT
Robert E. Calvert, Mercer County
A. Jane Garvey, Mifflin County
Robert J. Kessler, Franklin County
Jared K. Tyson, Adams County
Phyllis M. Wright, Warren County

(Continued on page 6)

News in Brief

Dean's resignation received

President Oswald has announced that he received from Dr. Carole Leland her resignation as Dean of the College of Human Development, effective June 4. Dr. Leland has expressed her desire to return to work as a research scholar and also to assume an active teaching role as professor of human development.

To bridge the gap from the intense full-time administrative load that she has carried this past academic year to one of

teaching and research, Dr. Leland has been provided a year's leave. During this year, Dr. Leland will serve as a Faculty Associate based in the Center for the Study of Higher Education and work on a continuation of research projects on administrative leadership and coeducation. She will resume a full-time teaching and research role as a professor in the College of Human Development in 1980-81.

Pending the appointment of an Interim Dean, Provost Edward D. Eddy has asked Dr. James B. Bartoo, Dean of the Graduate School, to serve as Executive Officer of the College of Human Development. Dean Bartoo is expected to

remain as Executive Officer, in addition to his duties as Dean of the Graduate School, until the Fall Term is under way.

Search committee appointed

A search committee has been appointed by Provost Eddy to screen candidates for the position of assistant provost.

Members include Dr. William J. David, director of the Hazleton Campus; Dr. Edward D. Ellis, associate dean for Continuing Education and Commonwealth Campuses, College of Human Development; Dr. Patricia Farrell, associate professor and head of recreation

and parks; Dr. Joseph W. Michels, professor of anthropology; Dr. Rosemary Schaefer, assistant provost; Dr. Thomas Wartik, dean of the College of Science, and two Penn State students, Mark A. Bell and Teresa E. Pearl.

Payroll deduction plan

All University faculty and staff members who wish to support various University programs and activities with their gift support may now do so through an automatic payroll deduction plan. The Office of Gifts and Endowments recently

(Continued on page 6)

Penn Staters

Dr. Nunzio J. Palladino, dean of the College of Engineering, has been named to a 14-member commission established by Gov. Richard Thornburgh to study the Three Mile Island accident.

Dean Palladino, professor of nuclear engineering, said the newly named State commission may be able to focus more closely than other TMI investigatory bodies on the accident's effect on the people who live near the Harrisburg area power plant.

"We will look at all aspects of the Three Mile Island incident, the economic, environmental and health effects, and especially at those aspects most important to the local communities," Dean Palladino said, adding that the committee's composition was broad enough to allow it "to explore all the areas important to the Governor."

Dean Palladino also suggested the commission should be able to propose "significant improvements" to the State's contingency plan.

Headed by Lt. Governor William Scranton III, the committee consists of eight cabinet officials and six private citizens.

Philip Klass, professor of English, has been invited by the Pennsylvania Department of Education to serve on a statewide commission to select nominees for the 1979-80 Distinguished Faculty Awards. The awards were established to improve the quality of teaching in higher education in Pennsylvania.

Glyn P. Norton, associate professor of French, has been awarded a grant from the American Council of Learned Societies for his ongoing research on French Renaissance translation.

David B. Otto, assistant director for Continuing Education at the Beaver Campus, will serve as acting director of the Campus, effective July 1. Joseph P. Giusti, the former director, has resigned to become chancellor of the Indiana University-Purdue University Campus at Fort Wayne, Ind.

Zeljko Kujundzic, professor of art at Fayette, has been invited to conduct a series of sculpture workshops at the National University of Mexico in Mexico City this summer. Works created by Prof. Kujundzic during the course of the four-week program will be exhibited next fall in two leading Mexico City galleries.

Suzanne Striedieck, chief of the Serials Department in the University Libraries, has been named the recipient of a fellowship from the Council on Library Resources. Ms. Striedieck was among 10 librarians from around the nation selected for fellowships by the council's selection committee. She will study the effectiveness of the bibliographic records prepared in academic libraries, as well as some of the organizational activities providing for bibliographic access and control of library collections.

Della Durant, an assistant athletic director and associate professor of physical education, has been elected president of the Eastern Association for Intercollegiate Athletics for Women. The EIAAW is the governing body for women's athletics at nearly 200 schools in 11 Eastern states and the District of Columbia. Prof. Durant will serve on the EIAAW Executive Board for three years — one year as president-elect, one year as president and one year as past president.

Dr. William Toombs, research associate at The Center for the Study of Higher Education and professor of higher education, was elected chairman of the Special Interest Group for Postsecondary Education at the recent meetings of the American Educational Research Association.



Dr. York (left) and Dr. Hirshfield talk with President Oswald after Commencement.

Dr. Claire Hirshfield, associate professor of history at Osgontz, and Dr. Thomas M. York, associate professor of aerospace engineering, received the Christian R. and Mary F. Lindback Awards for Distinguished Teaching at Spring Term Commencement. The awards consist of a plaque and a \$1,000 check.

This was Dr. Hirshfield's second University-wide teaching award. Earlier this spring she received the AMOCO Foundation Outstanding Teaching Award.

A graduate of Bryn Mawr College, Dr. Hirshfield holds three advanced degrees, including the Ph.D., from the University of Pennsylvania. She joined the Penn State faculty at Osgontz in 1965 after 10 years with the Philadelphia school district.

Her teaching at Osgontz, according to the Lindback nomination, has been characterized by "command of the subject. She exudes scholarship that couples learning with adventure. . . Her concern for the quality of her teaching comes through. . . She smiles at students. She knows their names. They respect her."

Dr. Hirshfield has been a leader in integrating feature films and other literary media into the history classroom. She also has helped develop a team-teaching approach to a program that links history and literature at Osgontz. A course she developed on the history of fascism was so popular that waiting lists formed, and it has been recommended for permanent adoption University-wide.

Dr. Hirshfield is co-author of a textbook, *Mainstreams of World History*,

and her book, *The Diplomacy of Partition: Britain, France and the Creation of Nigeria, 1890-1898*, is scheduled for publication this spring.

Dr. York has inspired such comments as "fantastic lecturer" and "best teacher I ever had" from the students who helped nominate him for the Lindback Award.

A 1960 graduate of Penn State, Dr. York subsequently earned an M.S. at the University. He then joined the faculty of the U.S. Naval Academy, where he was in charge of developing an aerospace engineering program. Following an M.A. and a Ph.D. from Princeton University, he returned to Penn State in 1969 as an assistant professor. His primary research interest is in plasma physics, including plasma processing and controlled fusion.

Besides receiving consistently high ratings from his students, Dr. York has brought about a number of innovations. Concerned with the problem writing presents for some aerospace students, he initiated a course in technical and scientific writing. Another new course, "The Age of Flight," was the result of his perception of the need for a general understanding of air and space technology and its impact on society. It is offered to all Penn State undergraduates.

In 1974, Dr. York was named the outstanding faculty adviser in the College of Engineering, an award based on student recommendations. In 1976, he received the College's Outstanding Teacher Award.

He has published widely in professional journals.



Dr. Dale M. Grimes has been appointed professor and head of the Department of Electrical Engineering, effective June 1.

Dr. James M. Beattie, dean of the College of Agriculture, has been elected chairman of the Council of Academic Deans at the University, succeeding Dr. Nunzio J. Palladino, dean of the College of Engineering. He will assume the post July 1.

The new vice chairman is Dr. Stuart Forth, dean of the University Libraries. Dean Beattie joined the University in 1973, with appointments as dean of the College of Agriculture, director of the Agricultural Experiment Station, director of the Cooperative Extension Service, and

succeeding Dr. W.J. Ross, who will continue his work as a faculty member in the department.

Dr. Grimes has been a professor and chairman of the electrical engineering department of the University of Texas at El Paso since 1976.

A graduate of Iowa State University, Dr. Grimes also received his M.S. in physics there. He earned his Ph.D. in electrical engineering from the University of Michigan in 1956. He was a member of the Michigan faculty for 20 years, serving as director of the Electromagnetic Materials Laboratory from 1956 to 1962 and as director of the Vehicular Electronics Laboratory from 1974 to 1976.

Dr. Grimes holds a patent on ferrite radar absorbing material and is also a co-holder of a patent on magnetic absorbers. He is the author of a book, *Electromagnetism and Quantum Theory*, published in 1969 by Academic Press in New York.

professor of horticulture.

He was affiliated with Ohio State University from 1948-73, rising from assistant professor of horticulture to associate director of both the Ohio Agriculture Research and Development Center and the College of Agriculture and Home Economics.

He holds the B.S. in horticulture from the University of Maryland and the Ph.D. in pomology from Cornell University.

In 1975, Dean Beattie was named a Fellow of the American Association for the Advancement of Science.

Bookshelf

Dr. Napoleon A. Chagnon, professor of anthropology, and Dr. William Irons, formerly of Penn State's Department of Anthropology and now at Northwestern University, are the editors of the first book to apply recent theories in sociology to a wide range of data on human social behavior. Published by Duxbury Press, it is entitled *Evolutionary Biology and Human Social Behavior: An Anthropological Perspective*.

The book is in part an outgrowth of symposia that were organized by the editors for the 1976 Annual Meeting of the American Anthropological Association. Those papers have been expanded and revised, and several others added, to present readers with a clearer picture of the implications of sociology for anthropology.

Its purpose is to translate general propositions from the theory of natural selection into testable hypotheses regarding human social behavior. Natural selection theory, as applied to the evolution and nature of human social behavior, is tested against empirical evidence gathered from existing published sources and recently completed field work.

Dr. Chagnon's contributions to the book are based largely upon his work over the past 15 years with the Yanomamo Indians of Venezuela. Dr. Irons' field work has been conducted among the Turkmen of Iran, and he has spent a total of 30 months living with that group.

In addition to Dr. Chagnon and Dr. Irons, contributors to the book include, among others: Richard D. Alexander, of the University of Michigan; Edward O. Wilson, Harvard University; James N. Spuhler, University of New Mexico; and Robin Fox and Lionel Tiger, of Rutgers and the Harry Frank Guggenheim Foundation.

Other contributors from Penn State are Dr. Jeffrey A. Kurland, assistant professor of anthropology, and three of Dr. Chagnon's graduate students, Paul E. Bugos Jr., Mark Flinn, and Thomas Melancon.

Dr. E. Willard Miller, professor of geophysics and associate dean for resident instruction in Earth and Mineral Sciences, and Ruby M. Miller, who retired two years ago as a map librarian at Penn State, are authors of a new book. Published recently by Clark University Press, Worcester, Mass., the book is entitled *Industrial Location: A Bibliography*.

The book, with more than 4,000 references in 322 pages, was prepared for the Commission on Industrial Systems of the International Geographical Union. It is a companion volume to *Manufacturing: A Study of Industrial Location*, which was compiled by Dean Miller and published by The Pennsylvania State University Press.

The references in the new book are divided into three parts. Part One contains theoretical and topical listings; Part Two consists of regional studies; and Part Three lists industrial studies.

The bibliography attempts to provide a wide perspective on the study of industrial location, reflecting differences in the type of scholarship pursued in various countries of the world.

Obituary

Dr. Carl Volz, professor emeritus of electrical engineering and director of the University's Electronic Services from 1970 until he retired in 1976, died May 24. He was 64.

A native of Scranton, he received his B.S. in electrical engineering from Penn State in 1937. For the next 11 years he worked as a development engineer for the Union Switch and Signal Company in Swissvale, Pa. In 1948, he joined the Penn State faculty as an instructor of electrical engineering, and began working on further degrees. He received his M.S. in 1952 and his Ph.D. in 1958, both in electrical engineering. He was promoted to associate professor in 1958 and to full professor in 1960.

University Park Calendar

Summer Term 1979

Thursday, June 7
Drop/Add, HUB Station open weekdays, 1-4 p.m., through July 13.
Outdoor pool open 10:30 a.m.-8 p.m., through August 19.
HUB Craft Center registration, noon-5 p.m., through June 9.
HUB Craft Center Open House, 7:30-9:30 p.m., HUB
Commonspace Theatre, *Hard Day's Night*, 7 and 9 p.m., Room 112 Kern.

Friday, June 8
Commonspace Theatre, *Woodstock*, 7 and 9 p.m., Room 112 Kern. Also June 10.

Saturday, June 9
Free U registration, 11 a.m.-2 p.m., HUB Ballroom.
France-Cinema, *Viva Italia*, 7 and 9 p.m., Room 12 Kern. Also June 11.

Week of June 11

Monday, June 11
Intramural sports: Entry open, men's and co-rec slow pitch softball, men's basketball: IM Bldg. Entry close, noon, June 14

Tuesday, June 12
Last date for graduate students to register with foreign language depts. (other than French and Spanish) for written language examinations.

Penn State Federal Credit Union Board meeting, noon, Telephone Bldg. Members welcome.

Thursday, June 14
FFA Activities Week, "Developing Agricultural Competencies," content winners awards, 9 a.m., Eisenhower Auditorium.

Friday, June 15
Late registration deadline for 10 week term.
Add deadline for 10 week term.
Commonspace Theatre, *Breakfast at Tiffany's*, 7 and 9 p.m., Room 112 Kern. Also June 17.

Saturday, June 16
France-Cinema, *Cousin Cousine*, 7 and 9 p.m., Room 112 Kern. Also June 18.

Week of June 18

Monday, June 18
Last date for August graduates to activate diploma cards and pay these fees at Bursar's Office.

Intramural sports: Entry open: tennis — men's singles, women's singles, mixed doubles; racquetball — men's and women's singles; IM Bldg. Entry close, noon, June 21.

Thursday, June 21
Festival Theatre, Alan Ayckbourn, *Absurd Person Singular*, 8 p.m., The Pavilion Theatre. Also June 22-24 and June 26-27.
Sunday performances, 7:30 p.m. and matinee at 2 p.m. on July 1.

Friday, June 22
Pass/Fall for 10 week term. Also June 25 and 26.
Commonspace Theatre, *Barefoot in the Park*, 7 and 9 p.m., Room 112 Kern. Also June 24.

Saturday, June 23
France-Cinema, *Going Places*, 7 and 9 p.m., Room 112 Kern. Also June 25.

Week of June 25

Monday, June 25
Registration for 8 and 6 week Summer Terms, 1-5 p.m., Activities Room, IM Bldg.
Penn State USTA Junior Tennis Tournament, 9 a.m.-5 p.m., Tennis Club. Through June 29.
State 4-H Leadership Congress, Denny and Lee, magic show, 8 p.m., Eisenhower Auditorium.
Free.

Tuesday, June 26
Drop deadline for 10 week term.
Course repeat deadline for 10 week term.
State 4-H Leadership Congress, We the People, bluegrass, folk, pop and country music, 8 p.m., Eisenhower Auditorium.

Wednesday, June 27
Phi Delta Kappa Lecture, G. Sieber Pancoast, political science, Ursinus College, and former Pa. legislator, on "Some Major Sources of Information and Influence in Transforming Ideas About Education into Law," 11 a.m., Room 112 Kern.

Friday, June 29
Commonspace Theatre, *That Man from Rio*, 7 and 9 p.m., Room 112 Kern. Also July 1.

Saturday, June 30
Last date for August graduates to deliver doctoral theses to committee.
France-Cinema, *Stravinsky*, 7 and 9 p.m., Room 112 Kern. Also July 2.
Spectrum, Conway Twitty with the Twittybirds, country and western music, 7 and 9:15 p.m., Eisenhower Auditorium.

Week of July 2

Monday, July 2
Late registration deadline for 6 week term.
Add deadline for 6 week term.
Interdisciplinary Symposium on Value Lecture, Larry Spence, political science, on "Moral Judgment and Bureaucracy," 7:30 p.m., Room 101 Kern.

Tuesday, July 3
Late registration deadline for 8 week term.
Add deadline for 8 week term.
Last date for written language examinations (other than French and Spanish) for advanced degree candidates.

Wednesday, July 4
Independence Day, holiday.

Thursday, July 5
Pass/Fall for 6 week term. Also July 6 and 9.
Festival Theatre, Bertolt Brecht and Kurt Weill, *The Threepenny Opera*, 8 p.m., The Playhouse. Also July 6-8, 10-15, 17-22. Sunday performances at 7:30 p.m. and matinee at 2 p.m. on July 15 and 22.

Friday, July 6
Commonspace Theatre, *The Lady Vanishes*, 7 and 9 p.m., Room 112 Kern. Also July 8.

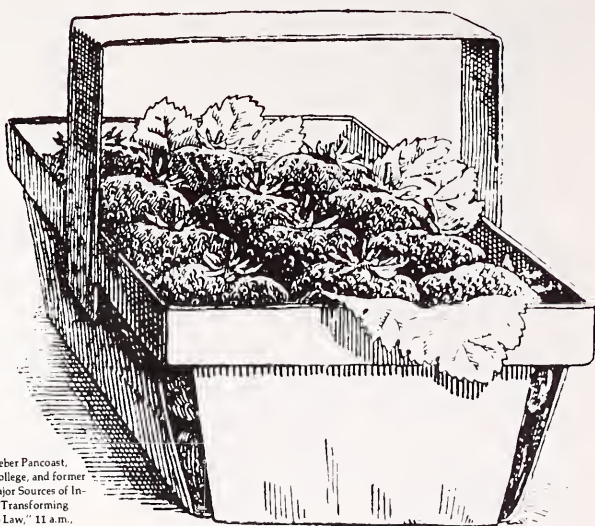
Saturday, July 7
Last date for final oral doctoral examinations for August graduates.

Last date for August graduates to deliver master's theses or papers to advisers.
France-Cinema, *The Emigrants of Kasper Hauser*, 7 and 9 p.m., Room 112 Kern. Also July 9.

Sunday, July 8
Temple University Opera Theatre production, 8:30 p.m., Schwab Auditorium.

Week of July 9

Monday, July 9
Drop deadline for 6 week term.
Course repeat deadline for 6 week term.
Gordon Myers, baritone, "The Art of Belly Canto," 8:30 p.m., Music Bldg. Recital Hall.



Tuesday, July 10
Penn State Federal Credit Union Board meeting, noon, Telephone Bldg. Members welcome.
Sandra Sliker, mezzo-soprano, 8:30 p.m., Music Bldg. Recital Hall.

Wednesday, July 11
Pass/Fall for 8 week term. Also July 12 and 13.
Phi Delta Kappa Lecture, The Hon. J. William Lincoln, Pa. senator, 32nd district, on "How Newer Legislators Move onto the Education Scene," 11 a.m., Room 108 Forum.
Spectrum film, *The Magic Flute*, 8 p.m., Eisenhower Auditorium.

Thursday, July 12
Central Pa. Festival of the Arts, through Sunday, July 15.
Spectrum, Judith Raskin, soprano, 8 p.m., Schwab.

Friday, July 13
Board of Trustees meeting, New Kensington.
Also July 14.
Preregistration deadline for Fall Term.
Drop deadline for 8 week term.
Course repeat deadline for 8 week term.
France-Cinema, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern. Also July 15.

Saturday, July 14
France-Cinema, *Sweet Away*, 7 and 9 p.m., Room 112 Kern. Also July 16.
Spectrum and CPFA, John Hartford, bluegrass music, also The Buffalo Chipmakers, 7 and 9:15 p.m., Eisenhower Auditorium.

Week of July 16

Wednesday, July 18
Phi Delta Kappa Lecture, James A. Ream, executive director, Pa. Assn. of Colleges and Universities, on "Lobbyists: How They Work, and an Estimate of Their Effects," 11 a.m., Room 112 Kern.

Thursday, July 19
Festival Theatre, Bella and Samuel Spewack, *Boy Meets Girl*, 8 p.m., The Pavilion Theatre. Also July 20-22, 24-29. Sunday performances at 7:30 p.m. and matinee at 2 p.m. on July 22.

Friday, July 20
Commonspace Theatre, *Lenny*, 7 and 9 p.m., Room 112 Kern. Also July 22.

Saturday, July 21
France-Cinema, *Scenes from a Marriage*, 7 and 9 p.m., Room 112 Kern. Also July 23.

Week of July 23

Monday, July 23
First day for signing Fall Term NDSL and University Long Term Loans, Room 108 Shields.

Last date for August graduates to deliver theses to Graduate School.
Last date for Departments to certify to Graduate School completion of required papers for August graduates.

Wednesday, July 25
Phi Delta Kappa Lecture, Patricia A. Donovan, deputy attorney general, assigned to Pa. Dept. of Ed., on "Interpreting Educational Law and Defending the State Department of Education," 11 a.m., Room 108 Forum.

Friday, July 27
Penn State USTA Adult Tennis Tournament, 9 a.m.-5 p.m., Tennis Club. Through July 29.
Commonspace Theatre, *The Ruling Class*, 7 and 9 p.m., Room 112 Kern. Also July 29.
Saturday, July 28
France-Cinema, *Sirozsek*, 7 and 9 p.m., Room 112 Kern. Also July 30.
Spectrum, The Jerry Ames Tap Dance Company, 8 p.m., Eisenhower Auditorium.

Week of July 30

Wednesday, August 1
Last day for signing Summer Term NDSL and University Long Term Loans, Room 108 Shields.

Last drop deadline for 10 week and 6 week terms.
Phi Delta Kappa Lecture, Galen C. Godbey, assistant to the vice president for academic affairs, U. of Pa., on "Whence the Educational Dollar, and Who Gets What Part?" 11 a.m., Room 112 Kern.

Friday, August 3
Commonspace Theatre, *The Big Sleep and Dark Passage*, 7 and 9 p.m., Room 112 Kern. Also August 4.

Saturday, August 4
Spectrum, Fred Waring and The Young Pennsylvanians, "More About Love," 8 p.m., Eisenhower Auditorium.

Sunday, August 5
Commonspace Theatre, *Here Comes Mr. Jordan*, 7 and 9 p.m., Room 112 Kern. Also August 6.

Week of August 6

Monday, August 6
Late drop deadline for 8 week term.

Tuesday, August 7
Last day of classes, 6 week term.
State 4-H Achievement Days, fashion show, 8 p.m., Eisenhower Auditorium.

Friday, August 10
Commonplace Theatre, Warners Animation
Festival 7 and 9 p.m., Room 112 Kern. Also
August 12.

Saturday, August 11
Last date for submitting petition to Records Of-
ficer to graduate in absentia in August.
France-Cinema, Cria, 7 and 9 p.m., Room 112
Kern. Also August 13.

Week of August 13

Wednesday, August 15
Last day for signing Summer Term Emergency
Loans, Room 108 Shields.
Summer Term classes end, 9:55 p.m.

Thursday, August 16
Final examinations, through Saturday, August
18.

Week of August 20

Monday, August 20
Outdoor pool, 10:30 a.m.-6 p.m. Open after 6
p.m. only if weather permits.

Saturday, August 25
Summer Term Commencement.

Exhibits

Chambers Gallery
Linda Striedeck, paintings, "Works in Offset,"
a project of Alternative Art, Columbus; both
through June 30.

David B. Van Dommelen, tapestries: CPFA,
Children's Art, July 7-30.
Raniero Corbelli, drawings: Cindy Nixon-
Hudson, soft sculptures: Aug. 7-30.

HUB Gallery
Village Crafts, quilts: Needle Arts, CPFA Juried
Prints and Drawings, July 8-29.

Kern Commons Gallery
Richard Allen, colored pencil drawings,
through June 16.

Clyde Hare, photographs, Linda O'Leary,
Christine Throver and Jim Webster, weav-
ings, jewelry and ceramics: June 16-July 7.
CPFA Art Alliance Juried Exhibition, July 7-21.
David Armstrong, paintings, July 7-Aug. 4.
Ester Del Rosso, lithographs, July 21-Aug. 4.
Alison Taggart, photographs, Pa. Crafts
Marketing Co-Op Assn. exhibit, Aug. 4-25.

Museum of Art
Open noon-5 p.m., daily except Monday. Free
tours on Sundays, 1:30 p.m.
Alumni Gifts 1972-1979, through June 10.
European works from the permanent collection;
The Intimate Worlds of Faust and Titolo;
through June 24.

Works by Arthur B. Davies from the collection
of Mr. and Mrs. Herbert Brill, June 24-Sept.
6.

CPFA Contemporary Juried Crafts, July 8-Aug.
26.

Heritage Sampler - An Introduction to the
Domestic Arts and Crafts of Central Penn-
sylvania 1750-1900, July 8-Sept. 23.

Zoller Gallery
CPFA Juried Photo Exhibition, July 8-27.

Scholars Program to host 850 high school students

More than 850 outstanding high school
students have been nominated to visit the
University Park Campus in June as part of
the Penn State Scholars Program.

Accompanied by their parents one group
will visit the campus June 18 and 19, and a
second group on June 21 and 22.

The Scholars Program, initiated in 1975
to recognize and encourage excellent
academic scholarship, provides an
opportunity for top students to meet with
Penn State faculty members and students
to discuss career opportunities, academic
programs, and other campus activities.

The students were nominated for the
program by their high school principals as
the top academic students in the junior
class of their respective schools.

During their visit, they will have the
opportunity to experience college life, find
out how Penn State is suited to their needs
and interests, and compete for more than
30 Penn State four-year scholarships.

All students taking part in the program
will receive an early offer of admission to the
University.



George Franz

Senators choose George Franz

George W. Franz, assistant professor of
history at Delaware County, is the new
chairman-elect of the University Faculty
Senate. Dr. Franz, who defeated Dr. Miles
T. Pigott, will serve in this position for one
year before becoming chairman.

Dr. George J. McMurtry, professor of
electrical engineering, took over as Senate
Chairman for the 1979-80 academic year at
the conclusion of the June 6 meeting.

Senators elected Dr. Arthur E.
Goldschmidt, Jr., associate professor of
history, as their secretary, a position which
was held this year by Dr. Franz.

Other election results were:
Faculty Advisory Committee - Edward
H. Klevas, professor of nuclear
engineering.

Standing Joint Committee on Tenure -
Roger B. Saylor, professor of economics
and statistics at Capitol Campus; Robert J.
Heinsohn, professor of mechanical
engineering, alternate.

University Promotion and Tenure

Review Committee - Thomas E. Daubert,
professor of chemical engineering; Ernest
L. Bergman, professor of plant nutrition;
and Patricia M. Overdeer, professor of
mathematics at Ogontz.

Faculty Rights and Responsibilities

Committee - Richard L. McCarl,
professor of biochemistry, and Marvin E.
Rosen, professor of economics,
representing faculty at University Park.

Alfred J. Engel, professor of chemical
engineering, and Herbert M. Lundgren,
professor of physical education, alternates,
representing faculty at University Park.

Annette L. Caruso, assistant professor of
health education at Ogontz, and Cara-
lynn Schengrund, associate professor of
biological chemistry at Hershey, alternates,
representing faculty at Campuses other
than University Park. Stanley F. Paulson,
Liberal Arts, and Charles L. Hosler, Earth
and Mineral Sciences, alternate,
representing the Deans.

A member of the faculty since 1968, Dr.
Franz was first elected to the Senate in
1971. In addition to serving as secretary, he
was chairman of the Task Force on
Programs for Superior Students.

Dr. Franz earned his A.B. in history
from Muhlenberg College and his M.A.
and Ph.D. from Rutgers University. He is
editor and project director of the Papers of
Martin Van Buren, a project supported by
the National Historical Publications and
Records Commission. A contract has been
signed with Microfilming Corporation of
America to publish all the papers which
have been collected, perhaps as early as
next year.

Dr. Goldschmidt, who defeated Dr.
Stanley P. Mayers, has been a member of
the faculty since 1965. His field of interest
is Egypt and the Middle East, and he
received the Class of 1933 Award for
outstanding contributions in the field of
the humanities in 1972.

He holds a B.A. from Colby College and
an M.A. and Ph.D. from Harvard.

Senate Report

Last year in a doct handout (5-1-78) we
reported to you on the Snyder Amendment
as such and now are in a position to bring you up
to date on specific facts from the 1977-78
report.

For the year 1977-78, the General Assembly
appropriated over \$363 million toward the
operation of the Commonwealth's four state-
related universities, the state-owned university,
and the 13 state-owned colleges, reflecting the
Legislature's commitment for providing nearly
\$2,000 average per each full-time student.

1. Total Student Credit Hour Production

A. In 11 of the 18 institutions there was a
decrease in student credit hour production. At
Penn State University the decrease was 3,000
credit hours from the 1,609,000 (.2 percent
drop) produced in 1976-77. Ten of the 17
other institutions reporting had greater
percentage decreases.

B. Although the graduate credit hour
production at Penn State appeared to drop 25
percent (35,000 credit hours) between the two
reporting years, the majority of the drop
actually occurred due to a change in reporting
methodology. The real drop in credit hour
production attributable to graduate students
was approximately 7,400. Only 6.6 percent
of the University's credit hours were attributed
to the graduate level in this year's report, as
compared to last year's 8.8 percent, again due
in large part to methodological changes.

C. Student credit hour production during
the past two summer terms remained stable at
Penn State while decreases were reported at
12 of the 17 other institutions reporting.
Approximately 98,000 credit hours were
produced during the past two summer terms,
exceeded only by Pittsburgh. Total credit
hour production decreased only 3,000 credit
hours, from 1,609,000 to 1,606,000 between
the last two reporting years.

2. Cost of Instruction

A. Penn State's education and general
appropriation per "unit produced" was at
least 16 percent lower than any other
institution reporting. Penn State's
appropriation per "unit produced" was \$29
in 1977-78. Pittsburgh's was the next highest
at \$34, and the highest of all institutions was
Mansfield at \$61.

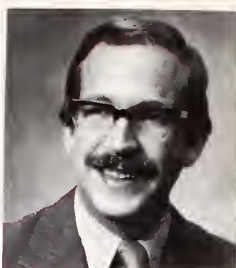
B. Penn State's appropriation per Lower-
Division Full-Time Equivalent student was
significantly lower than that of any other
institution reporting. Penn State's support
was \$670 per student. Pittsburgh was next at
\$1,010 per student. The highest was
Mansfield at \$2,430 per student.

C. The Joint State Government
Commission selected eight "departments"
(Science, Foreign Languages, Mathematics,
Political Science, English, History,
Psychology, Education) for analysis of cost
per student credit hour. Of the eight selected,
Penn State had the lowest cost in six. Only in
Political Science (13 other institutions
reporting) two institutions were lower and in
Education one was lower than the Penn State
Departments.

3. Class Size

A. Average academic year class size at the
undergraduate upper-division at Penn State
was higher than at all other institutions
reporting except Shippensburg. Penn State's
average class size was 22. The University of
Pittsburgh, Cheyney, and Mansfield shared
the low statistic of 12. Shippensburg reported
23.

B. Summer term lower-division class size at
Penn State was 26, significantly higher than that
reported by any other institutions. The next
highest class size was 17, at Indiana University
of Pennsylvania.



Arthur Goldschmidt

C. Summer term upper-division class size at
Penn State was 14, which was exceeded by
two colleges out of the 17 reporting.
Kutztown and Shippensburg reported 15
students per class.

D. Academic year average class size at the
graduate level at Penn State was eight
students, lower than all but three other
institutions reporting. Based on reporting
methodologies used and the Commission's
analytical approach the figure is correct.
However, one must keep in mind the basic
difference, between Penn State and the other
institutions, both in terms of subject areas
(e.g., sciences) and in level of advanced
graduate work.

4. Degrees Awarded

Penn State produced fewer degrees at the
bachelor's, master's, and doctoral level last
year than in the previous year. Baccalaureate
production dropped 1.6 percent; master's
degree production 6.3 percent; doctoral
production 5.3 percent. Associate degree
production increased 1.1 percent; no mention
was made of this fact by the
Commission.

5. Faculty Teaching Load

Average weekly contact hours at Penn State
in the Fall Term 1977 were higher than at any
other state-related institution. Penn State
reported 12 contact hours per full-time
instructional faculty member. The other
institutions reported 11.

6. Salaries for Teaching Faculty

A. The overall salary at Penn State for all
ranks combined was lower than that of all
state-owned colleges, based on Snyder Report
data. Penn State's average salary was \$18,200.
Only Pittsburgh at \$17,900 was lower. The
highest average salary was \$21,200 at
California.

B. *Hawes Comprehensive Guide to Colleges*
shows Penn State median salaries to be lower
than all institutions except the University of
Pittsburgh. Penn State's salary is \$19,500.
The state-owned colleges have salary ranges
from \$21,500 to \$21,800, due in large part to
a high fraction of faculty members at the
upper ranks. Pitt's salary level is \$19,100.

C. Average salaries at the instructor and
assistant professor levels are lower than all
but five of the other institutions reporting.
Instructor average salary at Penn State was
\$11,700 for the academic year. Range was
\$9,700 at Temple to \$15,700 at Lincoln
University. Assistant professor average salary
at Penn State was \$15,700 for the academic
year. Range was \$14,300 at Pittsburgh to
\$16,900 at Clarion and Lock Haven.
D. Average Penn State salaries at the
professor level were higher than at all but one
other institution reporting. Penn State
professors earn \$26,200 per academic year.
The range of other institutions reporting was
from \$27,200 to Temple to \$22,100 at
Cheyney.

E. Although Penn State paid next to the
highest average salary for full professors
teaching, only 20 percent of the faculty were
full professors which was the lowest of all
institutions. California (Pa.) had 40 percent
full professors. Penn State was second lowest
in associate professors with 26 percent while
Lock Haven had the highest with 47 percent.
In the assistant professor rank Penn State was
second highest with 37 percent (Lincoln 31
percent) and the 17 percent in instructor rank
was highest.

COMMITTEE ON EXTERNAL AFFAIRS

Ernest L. Bergman, Chairman
Charles A. Cole
Robert S. Friedman
Floyd W. Hicks
Stanley O. Ikenberry
Philip A. Klein
Joe A. Miller
Guy E. Rindone, Vice-Chair
Richard D. Sheeder (Resource)

From the Trustee Docket

Interim budget approved

The Trustees approved an interim maintenance and operating budget for the next fiscal year beginning July 1.

"Due to the pending status of the State appropriation, it is recommended that no action be taken at this time on changes in tuition, salaries and wages, staff benefits, or other necessary expense increases," President Oswald said. "A final budget will be submitted at the July Trustee meeting when the State appropriation is clarified."

An interim budget was approved at the level of the adjusted 1978-79 budget. The total was \$390,448,000 for all divisions of the University, including the Milton S. Hershey Medical Center and all the auxiliary enterprises.

Trustees elected

Obie Snider of Imler, Pa., joins six re-elected incumbents on the Board of Trustees. All were elected to three-year terms.

Mr. Snider, owner of the Singing Brook Farms, a Bedford County crop and dairy farm, was elected by county agricultural society delegates. He replaces J. Lewis Williams, of Uniontown, who did not seek re-election. Delegates also re-elected John C. Pitzer of Gettysburg, who has served on the Board since 1973.

Trustees re-elected by industrial society delegates were Stanley G. Schaffer of Pittsburgh and Quentin Wood of Oil City, president of the board.

Penn State alumni re-elected Mimi Barash Coppersmith of State College; Barbara Hackman Franklin of Washington, D.C.; and Edward R. Book of Hershey.

Mr. Snider, a 1950 graduate of Penn State, is director and past president of the Bedford County Holstein Club and past secretary and president of the Bedford County Dairy Herd Improvement Association. He also is a Chestnut Ridge school director and past president and serves on the Bedford County Extension Executive Committee.

He was named Pennsylvania's Outstanding Young Farmer in 1959, and became a Pennsylvania Master Farmer in 1960. In 1977, he won the Pennsylvania Dairyman's Charles E. Cowan Memorial Award, which goes to the State's outstanding dairyman.

Several funds set up to benefit Penn State

The University has received \$338,586 in two trust funds from the estate of the late William A. Slater, a 1907 alumnus and former vice president of Gulf Oil Corp., who died Dec. 6, 1978, in Kerrville, Tex.

President Oswald informed the Board that the trust known as the William A. Slater Fund, totaling \$207,584, was designated to "promote Christian ideals and for the purchase of books for the library."

The \$130,732 Sibyl S. Slater Fund, honoring Mrs. Slater, who died in June 1978, was given without stipulation and will be added to Penn State's Fund for Academic Excellence.

The new Fund for Academic Excellence, initiated in August with a \$500,000 grant from the Richard King Mellon Charitable Trusts of Pittsburgh, will support the "improvement of instruction and research with special attention given to the enhancement of quality and distinctiveness." Private monies contributed to Penn State are used for the enrichment of programs not supported by State funds.

"The ideals that Mr. Slater advanced during his lifetime will be continued through his generous gift," Dr. Oswald said. "The research and learning supported by his gift will form a lasting tribute to Mr. Slater and his wife."

The Trustees were formed of the establishment of five other funds.

At the York Campus an endowment fund has been created to support projects for which general funds are unavailable.

According to Campus Director Edward M. Elias, the endowment fund may be used for financial assistance to York Campus students, library acquisitions, faculty research, special projects which enhance the academic program, awards to recognize outstanding individuals for contributions to the York Campus, purchase of special educational equipment, and support of the arts through a program of art exhibits, professional entertainment, and other cultural media.

The fund's initial principal, \$5,000, has been contributed by the Advisory Board of York Campus.

A "Patrick D. Dill Memorial Award" has been established at the Mont Alto Campus for Waynesboro Area Senior High School graduates who are planning to enroll, or are currently enrolled, as freshmen at Mont Alto.

The fund's initial sum, \$1,500, has been contributed principally by friends and classmates of Patrick D. Dill, a Waynesboro Senior High School alumnus who had completed his first year of studies at Mont Alto when he was killed in an automobile accident on August 13, 1978.

A "Delta Chi Handicapped Student Grant Fund" will be used to provide grants-in-aid to handicapped undergraduate or graduate students at University Park. To be considered,

students must be handicapped and demonstrate academic achievement of character, leadership and financial need. The initial principal of the fund, \$1,500, has been contributed by the Penn State Chapter of Delta Chi fraternity.

A "Long John Silver's Scholarship Fund" will assist qualified undergraduates majoring in food service and housing administration (FSHA).

Consideration will be given to FSHA students who have achieved satisfactory academic records, who show promise in the hospitality industry and who have financial need.

Long John Silver's, Inc. — a national chain of seafood restaurants — will contribute the initial sum of \$250 to the fund. Each year thereafter, the firm will contribute five percent of the combined gross of Homecoming Day receipts from its two State College area outlets.

A special projects fund has been established at the Berks Campus to provide monies for physical and academic projects for which general funds are not available.

According to Campus Director Harold W. Perkins, the fund will be used for such projects as capital improvements to existing physical facilities, special projects which enhance the academic program, purchase of specialized educational equipment, and support of the arts.

A portion of the initial principal of the fund has been contributed by the Penn State Club of Berks County in memory of the late Augustus S. Wertz '17.

Final plans okayed for Indoor Sports Complex

Final plans for construction of the next phase of the Indoor Sports Complex were approved.

The approval allows the University to advertise for bids to construct a year-round ice skating rink and a small practice rink, with a support building that will house meeting rooms, offices, showers and locker rooms.

The total project cost for the entire Indoor Sports Complex project, including planning, design and construction, will be approximately \$3.5 million.

No tuition or tax dollars are being used for the project. Funds are being provided through contributions from alumni and friends of the University and from operational income. To date, about \$1.5 million in gifts has been contributed toward the project.

The new ice skating rinks will be located between the former Ice Pavilion and McKean Oval and will be linked directly to the Pavilion Building. Construction is expected to start this summer.

A temporary outdoor ice skating rink, constructed and used last winter, will again be available next winter while the new rinks are being built.

New academic unit to be called Visual Arts School

Trustees were informed that the new academic unit embracing the former Department of Art and the program in art education will be named the School of Visual Arts, effective July 1.

The name selection was made on the recommendation of the majority of the art and art education faculty members.

No decision has yet been made on the naming of the unit that will combine the former Department of Music and the program in music education.

Industrial Arts Education to be phased out

The University will phase out the undergraduate Industrial Arts Education program, effective July 1, 1982.

"The quality of the program can no longer be maintained because of staffing needs and inadequate facilities," Provost Eddy told the Board of Trustees. "To provide a satisfactory program in the future would require extensive new facilities, including a power technology laboratory. Additional staff members would also be needed." A recent Pennsylvania Department of Education review had identified those two weaknesses in the program, which is offered through the Division of Occupational and Vocational Studies in the College of Education.

Because funds were not available to correct the inadequacies, Dr. Eddy said, and because other Pennsylvania colleges and universities offer similar programs, the Dean of the College of Education has recommended that the program be discontinued.

A proposal to this effect has been reviewed and approved by the Undergraduate Instruction Committee of the University Faculty Senate. The phasing-out of the program was also among recommendations discussed by the 40-member College of Education Faculty Council and by other faculty committees in the College.

Dr. Eddy noted that there are undergraduate and master's degree programs in industrial arts education at Millersville, California State and Cheyney State Colleges and at Temple University. Temple also has a doctoral program in industrial arts education.

The decision will not affect undergraduate students currently enrolled in the program. On the graduate level, industrial arts education is offered at Penn State as a field of concentration in the Curriculum and Instruction Program of the College of Education. That option will not be affected.

Departments merged

In a merger expected to reduce administrative and service costs substantially, the College of Science will combine two departments July 1.

Following a national trend of grouping the biological sciences, the Trustees approved the merger of the Department of Microbiology and Cell Biology and the Department of Biochemistry and Biophysics. They will become the Department of Microbiology, Cell Biology, Biochemistry and Biophysics.

Academic programs in the two departments will not be affected.

Associate degree changed

The Trustees approved plans to replace the associate degree in Steel Technology with an associate degree in Metallurgical Engineering Technology, effective Fall Term 1979.

The change will not affect students currently enrolled in the steel technology program and will not require additional University funds.

Provost Eddy explained that the revised program "will authorize a broader range of metallurgical content rather than an

emphasis on steel alone. A stronger industrial emphasis will make it possible to serve more students and to enhance graduates' career opportunities."

The change was proposed, he added, following a survey of industry representatives in western Pennsylvania and of the Engineering Council for Professional Development, which reviews and accredits engineering programs in the United States and Canada.

The two-year associate degree program will be offered only at Shenango Valley.

Property sale authorized

The Trustees authorized the sale of property that housed the Allentown Campus of the University from 1951 through much of 1977.

The property, located at 723-729 Ridge Avenue, Allentown, includes a two-story brick structure purchased by the University from the Allentown Campus Advisory Board in 1952.

The building, a former factory, has been unused since Penn State moved to a 40-acre site two miles northwest of Fogelsville in December 1977.

Construction of the new Academic Building at the Fogelsville site, an innovative, flexible, multiple-use facility, made the use of the Ridge Avenue building unnecessary.

The sale authorization includes recognition of a first-option agreement between St. Michael's Catholic Church and the University.

Fund Council to draft second five-year plan

The Penn State Fund Council has been authorized by the Board to draft a second five-year plan for increasing the level of private financial support to the University.

The action came after Dr. Stanley O. Ikenberry, senior vice president for administration, reported that the goal of the first five-year development plan, begun in 1975, may be achieved before the end of the 1980 fiscal year. The goal was to double private support to Penn State from an annual level of \$5 million to \$10 million.

"The trends that are shaping the approaching decade suggest a critical need for enhanced private support," Dr. Ikenberry said. "The second five-year development plan will be coordinated with the overall University planning for the 1980s."

Construction cost adjusted

An adjustment in the construction cost of the final phase of the expansion and modernization of Beaver Stadium was authorized.

In March, the Board had authorized officers of the University to request bids and award contracts for the project at an overall cost not to exceed \$2,200,000. Because the low bid received was in excess of that amount, the figure has been adjusted to \$2,429,896.

Nursing building due to open in Fall Term

The new four story building which will house nursing program facilities was named the Human Development East Building by the Trustees.

"The Human Development East Building, constructed in large part through federal funds, will consolidate the facilities of the nursing program now located in various sections of the University Park campus," said Dr. Stanley O. Ikenberry, senior vice president for administration.

The building, scheduled for completion in July, is expected to be in use by the beginning of Fall Term 1979. It will also provide space for programs in the College of Human Development in addition to nursing, Dr. Ikenberry said.

Student parking area okayed

Final plans for construction of a student parking area to accommodate 193 vehicles at Delaware County Campus has been approved.

Ikenberry

(Continued from page 1)

friendships and associations we have made here.

"The opportunity to provide leadership to the University of Illinois is an exciting challenge.

"I am grateful to President Oswald, the members of the Board of Trustees, and all of those who have made it possible for me to serve Penn State. On behalf of my family—Judy, David, Steven and John—I also thank the people of this community who, along with my colleagues at Penn State, have made these last 10 years genuinely happy and rewarding."

Dr. Ikenberry received his bachelor's degree from Shepherd College in West Virginia in 1956. His graduate degrees were awarded by Michigan State University where he received his Ph.D. in 1960.

Dr. Ikenberry served as a member of the faculty at Michigan State until moving to West Virginia University in 1962. At thirty years of age in 1965, he was appointed Dean of the College of Human Resources and Education at West Virginia. As dean he helped to strengthen the graduate and research programs of the college and form the Appalachia Education Laboratory, an educational research and development center serving that region. He served as the first President and Chairman of the Board of the Laboratory.

Dr. Ikenberry joined Penn State in 1969 as Professor and Associate Director of the Center for the Study of Higher Education. He was named Senior Vice President for University Development and Relations in 1971 and Senior Vice President for Administration in 1978. As Senior Vice President, he has been responsible for assisting with the general administration of the University. He has carried special responsibilities for long range planning and for the direction of Penn State's relationships with external groups, including the State Board of Education.

In addition to publishing several articles and monographs in the field of higher education, Dr. Ikenberry is the author of a book on the academic organization of universities and colleges. He serves as a member of the Editorial Advisory Board of the Association of Institutional Research and as Consulting Editor for the Journal of Higher Education.

Dr. Ikenberry is a member of the Board of Fellows of Gallaudet College in Washington, D.C. and an Honorary Trustee of Salem College in West Virginia.

As a resident of State College, Pa., for the last ten years, Dr. Ikenberry has been active in the community, serving as an Elder in the Presbyterian Church, a Director of the Regional Board of the Central Counties Bank, and the Board of the Juniata Valley Council of Boy Scouts of America.

Born in 1935 in Lamar, Colo., Dr. Ikenberry comes from a family of educators. His father, the late Oliver S. Ikenberry, served as President of Shepherd College from 1947 until 1968, when he joined George Peabody College in Tennessee as Professor of Education.

Dr. Ikenberry is married to the former Judith Life of New Castle, Ind. Mrs. Ikenberry received her baccalaureate degree from Purdue University and a Master's Degree from Michigan State University. She currently serves as a member of the professional staff of the Cooperative Extension Service at Penn State in the Department of Food Science.

The Ikenberrys are the parents of three sons: David, 18, who will attend Penn State as a freshman next year; Steven, 15, who will enter the 11th grade in high school; and John, 10, who will enter the 5th grade in the fall. Dr. Ikenberry's mother, Margaret Ikenberry, resides in Sebring, Fla. Mrs. Ikenberry's parents, Dr. and Mrs. Homer Life, reside in Sarasota, Fla.

News in Brief

(Continued from page 1)

announced this new service in a mailing to all employees.

Through the years many staff people have supported University programs through the Penn State Fund with generous annual financial contributions. This support is most gratifying and provides a margin of excellence which otherwise would not be possible.

Deductions will begin with the first pay period after July 1; therefore authorization forms should be returned to the Office of Gifts and Endowments no later than June 15. Anyone who has misplaced the form and would like an additional one should contact the Office of Gifts and Endowments, Room 100 Old Main, 865-6588. Confidentiality concerning the nature of a contributor's support is assured.

Hershey's pediatrics research productivity highest in U.S.

A recent study of the research productivity of academic departments of pediatrics in the United States has found that the Department of Pediatrics at The Milton S. Hershey Medical Center is, per capita, the most productive in the country.

Dr. W. Bergstrom and co-workers from the department of pediatrics of the State University of New York Upstate Medical Center, Syracuse, examined 116 pediatric faculty rosters and reviewed 48 general and specialized journals between July 1976 and June 1978. In addition, presentations at the meetings of the Society for Pediatric Research and the American Pediatric Society were analyzed.

The number of items published or presented from each department, divided by the number of faculty members in the department, gave a per capita productivity index. The study found that there was a significant increase in the productivity index when individual department rosters reached 30 to 40 and that the mean productivity index for departments of 3 to 30 members was 0.37. However, the

productivity index for Penn State's department of pediatrics, which has 12 pediatricians, was greater than 2.0.

Other high scoring departments included Harvard University, University of California at San Francisco, Washington University, Yale University and the University of Vermont.

Safety Services offering X-ray record card

Because medical and dental X-ray exams have risks as well as benefits, the University's Division of Safety Services is making available an X-Ray Record Card developed by the Bureau of Radiological Health of the Department of Health, Education and Welfare.

Radiation comes from a number of sources, Safety Services points out, so it's difficult to determine the amount of radiation an individual is exposed to from natural sources, fall-out, occupational sources and nuclear power. And the effects of such radiation may not appear for years.

It is feasible, however, to maintain a record of X-ray examination incurred during the course of medical and/or dental treatments. The X-Ray Record Card does not record the amount of X-ray dosage; rather, it records the name of the physician or dentist, type and date of exam, and the location of film storage.

With this record, patients can refer their doctors or dentists to previous X-rays and thus may make the taking of new ones unnecessary. The old films may also be valuable for comparison purposes to detect trends in a patient's condition. Penn State faculty and staff members who would like copies of the X-Ray Record Card should contact their department's safety officer or the Safety Services Division, Room 226 Grange Building.

Tennis camps to start soon

The University will offer tennis camps this summer for boys and girls entering grades 7-12.

Girls' camps, directed by Lady Lion tennis coach Candy Royer, will be held June 15-20, July 22-27, and July 29-Aug. 3.

The boys' camp, directed by Penn State men's tennis coach Holmes Cathrall, will be held June 17-22.

The camps are designed to provide instruction in tactics and strategy. Emphasis is on participating in drills and learning doubles play. Lectures, demonstrations, and visual aids are also employed.

For more information, phone the Keller Conference Center at 863-1743.

Alden exhibit continues

The Commons Gallery is presenting an exhibition of colored pencil drawings by Richard Alden, assistant professor of architecture, through June 16.

A graduate of Pratt Institute, Mr. Alden has been a member of the faculty since 1968. His drawings have won several awards and he has participated in numerous group shows, as well as having a one-man show at the Lillian Heidenberg Gallery, New York City.

Promotions

(Continued from page 1)

TO SENIOR EXTENSION AGENT

Harold A. Holt, Snyder County
E. Joyce Hustey, Mercer County
William C. Kelly, Westmoreland County
William R. King, Armstrong County
Harold L. Lockhoff, Huntingdon County
Jane B. Marhefka, Juniata County
Robert J. Rugaber, Butler County
Russell C. Seward, Centre County
Harold E. Stewart, Dauphin County
Leonard G. Yearick, Northumberland County
Amos S. Zimmerman, Union County

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 1365-1387 (toll-free line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. June 14, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Staff Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as disabled or Vietnam era veteran.

AREA REPRESENTATIVE - CONTINUING EDUCATION, Two vacancies - Berks Campus and Behrend College Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic area. Bachelor's degree or equivalent, plus two to three years of directly related experience, or a master's degree or equivalent, plus one to two years of directly related experience.

PROGRAM ASSISTANT - CONTINUING EDUCATION, York Campus Provides assistance to the Area Director in planning, implementing and conducting a Continuing Education program of the Campus service area; responsible for supervising office procedures, exercising fiscal controls and maintaining records. Bachelor's degree or equivalent, plus one to two years of directly related experience.

PERSONNEL AND TRAINING SPECIALIST - PHYSICAL PLANT, University Park Responsible to the Manager of Personnel and Training for development and administration of a wide variety of training programs for all classifications of employees, such as first-line supervisor training, skilled trades training, apprenticeship program, for the Office of Physical Plant. Coordinate recruitment, screening, hiring, and salary setting of skilled technical-service and professional employees. Assist in overall departmental employee relations program. Implement and administer management development programs in the Office of Physical Plant. Responsible for Office of Physical Plant safety programs, familiarity with OSHA and Pennsylvania Department of Labor Standards. Assist with preparation of departmental manuals and training aids. Bachelor's degree or equivalent in business administration, major in personnel administration preferred, plus two to three years of directly related experience in employment, industrial safety and employee training and management development programs.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC AFFAIRS, Shenango Valley Campus Responsible to the Associate Director for Academic Affairs for the development of course schedules, maintenance of academic records, implementation of academic services for all faculty, registration functions in the recruitment and assignment of part-time faculty. Some supervision and considerable contact with faculty and students. Doctorate preferred in higher education or other related fields. Bachelor's degree in two years of directly related experience, or master's degree in related field, with two to four years of directly related experience in higher education, or the equivalent combination of education and experience.

TECHNICAL SUPERVISOR - ARTS AND ARCHITECTURE, University Park Responsible for operation of scenic studio and theatre facilities of Department of Theatre and Film; supervision of student crews charged with construction of scenery and properties of all theatre productions; responsible for successful completion of stage sets as designed by faculty or students; supervision and maintenance of all scene shop facilities; instruction in correct use of shop equipment and techniques of scenic construction; supervising drafting and construction approach to all productions. Bachelor's degree in fine arts or equivalent, plus one to two years of directly related experience in either an academic or professional scenic studio. Knowledge of metal working, plastics, traditional scenic techniques and theatre mechanics.

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Penn State Intercom

Make PSU a national leader, new Senate Chairman urges



Pointing out that the coming academic year will actually mark Penn State's entrance into the '80s, the new Senate Chairman, Dr. George J. McMurtry, called on his colleagues "to act boldly and responsibly, with an open mindedness and desire, to make this University a leader among major universities in this country."

"The leaders of this faculty are the very people sitting in this room at this moment," Dr. McMurtry told the senators after assuming his new office at the conclusion of the June 5 Senate meeting. "You are the elected representatives of the faculty and the students. You are also the designated or ex-officio representatives of the administration."

Calling on Senators to subdue parochial interests, Dr. McMurtry asked that they "recognize that the institution is larger than any department, or any college, or any office." He also urged senators to communicate with their constituents, to understand what the people they represent "want the Senate to do and what they want the University to be."

"We need to have pride in the University and ourselves and be willing to express that pride," he said. "Let us not forget to talk about the good things that go on in this body and in this University."

Turning to specific challenges which he believes the Senate will face next year, Dr. McMurtry noted the importance of developing a new flexibility if Penn State is to adapt to the conditions of the '80s.

"In this regard," he explained, "one of the most obvious places in which to introduce flexibility is in the area of delegation of authority. As the University and its various units have grown and developed, we must recognize the maturity of those units and their capability to handle areas of authority while also exercising responsibility for academic quality and standards. Specifically, we must look for ways in which to delegate authority to the Commonwealth Campuses so that they may be in a better position to react to local needs on a timely basis."

The Senate can also help the University to be flexible, Dr. McMurtry said, by developing and following procedures that will assist it to provide quickly and responsibly advice on academic reorganization.

Among the Senate concerns for this year which he noted were a decision on the continuation of the Basic Skills Program and the monitoring of conditions for retention and transfer of students.

The review and approval of curricular offerings will continue, with a report on 800-level offerings due next year. The Senate will also monitor the implementation of BDR II and the University Scholars Program, and Dr. McMurtry suggested that it take a role in examining whether or not extended degree programs should be maintained and developed.



George J. McMurtry

"Historically, the Senate has been proficient at establishing specific academic requirements," Dr. McMurtry commented. "But it has not been particularly noteworthy for its discussion and consideration of major questions of academic and educational policy. Such questions are always important but seem even more so at this particular time. At all times the Senate must maintain the highest academic standards and strive for excellence in our academic quality, and above all, insist on the highest academic integrity."

Among faculty concerns slated for future Senate consideration are a report by the PS-23 Commission and a report reviewing governance activities by the faculty.

Dr. McMurtry noted that, while one Task Force report for the Plan for the '80s calls for a serious effort to reduce demand on faculty time for committee meetings and report writing, another Task Force says that "participating in meaningful joint governance at all levels will ensure high morale and the continued vitality of the faculty."

"We must examine these statements seriously and seek ways to optimize our participation in governance and our academic and professional pursuits," Dr. McMurtry continued.

He also suggested that the Senate should increase its communication with the Graduate Council and enhance the climate for research. He pointed to several concerns in the area of student affairs — retention of students, the quality of student life in the University, graduate teaching assistants, student evaluations and advising. He asked student senators to increase their input into the Senate's deliberations.

Reducing overlap between Senate committees and streamlining operations is another area which may be appropriate for Senate considerations, Dr. McMurtry suggested.

"This is a time in which we need a sense of cooperation and mutual respect and trust among all elements of the University," Dr. McMurtry concluded. "Let us meet the challenges of the '80s with an intensity and vigor so that, when the Senate commences its 1989-90 year, the University will be in an even stronger position to enter the last decade of this century than we are to enter this next one."

News in Brief

Publications data due from faculty

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans, or intercollege research unit directors.

Detailed instructions for the submission of these listings are given in a May 1 memo from Dr. R. G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty should send their listings to the department head at University Park, with an informal copy to their Campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, *Research Publications and Professional Activities* and *University Publications and Reports to Agencies*. To be included are research papers and articles, books that have been reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, information materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions patents and any other activity that meets recognized standards of excellence in its field.

More detailed information is contained in the May 1 memo.

New scientific journal being issued from MRL

A new scientific journal, with editorial offices situated in the Materials Research Laboratory of the University, has begun publication.

Vol. 1, No. 1 of *The Journal of Educational Modules for Materials Science and Engineering* appeared in April. The journal is a development of EMMSSE (Educational Modules for Materials Science and Engineering), a University-based project supported by the National Science Foundation.

Co-editors are Dr. Rustum Roy, director of the Materials Research Laboratory, and Prof. Charles West of the University of Illinois at Urbana.

The journal was established in support of the EMMSSE project, which produces, publishes and disseminates peer-reviewed and student-tested education modules, or learning instruments, for the material science and engineering fields. The modules are designed for use in universities and industrial organizations.

The journal uses the distribution, filing, and retrieval systems of the library to achieve the following goals: appropriate professional recognition to authors of original and peer-reviewed work, a system of proper archiving and permanent retrieval, and access to a "master" from which copies can be made on site and on demand with no royalty payments, no

(Continued on page 4)

Senate passes four legislative items, hears series of informational reports



The University Faculty Senate at its June 5 meeting passed four pieces of legislation and heard a series of informational reports as it concluded its sessions for the 1978-79 academic year.

"It was a year of consolidation and stabilization," retiring Senate Chairman Lee W. Saperstein said before passing the gavel to his successor, Dr. George J. McMurtry.

"I came with the expectation and left with the realization that the Faculty Senate is the voice of the faculty. We have a lot to say, and I think we do it well and responsibly," Dr. Saperstein added.

Legislative items passed by the Senators included:

- A change in Policy 10-00 to limit the number of credits a provisional student can complete before being required to seek admission to a degree program as a degree candidate. The amended policy states: "No student, regardless of cumulative grade-point average, who has completed 36 credits will be permitted to enroll as a provisional student in any subsequent term..."

- Changes in secondary school units required for entrance to the College of Human Development. Two units of math and one in science have been added to the requirements.

- An amendment to the *Standing Rules* of the Senate to prevent a situation where one person could block discussion of an urgent nonagenda item. The Rules of Procedure can now be suspended by a

three-fourths vote of the Senators present. Previously, suspension required unanimous consent.

- An amendment to the *Standing Rules* to reflect the recent appointment of a Dean of Admissions and Registrar; the article had referred to the "Director of the Division of Admissions, Records and Scheduling."

Among the informational reports presented to the Senate was one by Dr. Robert Frank in behalf of the Faculty Rights and Responsibilities Committee.

Dr. Frank noted that there seems to be increased understanding of the procedures required under PS-23. Looking ahead, however, he expressed concern that budget restrictions might cause some tenure decisions to be made not on the basis of academic merit but because of specific college or department needs.

The Senate also heard a report from the Committee on Faculty Affairs on faculty salaries. The Committee noted that, over the past decade, "faculty salaries throughout higher education have fallen behind increases both in the Consumer Price Index and in the wages and salaries paid to other sectors of employment."

Commenting on the report, Senator Irwin Feller, professor of economics, cautioned that informational reports on salary patterns are not analyses of the sources of the salary differences; nor do they provide any basis for deciding what differentials should be by rank, college or location.

Penn Staters

Dr. Rustum Roy, director of the Materials Research Laboratory and chairman of the Science, Technology, and Society Program, has been selected to present England's 1979 Hibbert Lectures, traditionally rotated between Cambridge and Oxford Universities. Currently marking its 100th year, the Hibbert series is regarded as one of the world's most prestigious lectureships in theology-philosophy. Previous Hibbert Lectures have been presented by Max Mueller, Ernst Renan, Albert Schweitzer and Rabindranath Tagore.

Governor Richard Thornburgh has appointed Dr. Mark Widome, assistant professor of pediatrics at Hershey, to co-chair an Interagency Task Force on Child Transportation Safety. The task force will make recommendations to the Governor and the Legislature regarding new legislation and regulations in the area of highway safety as it relates to children.

Dr. David L. Young, professor and head of landscape architecture, has been elected president of the board of directors of the Landscape Architecture Foundation. Established in 1966, the foundation serves as a fund raising and information dissemination body for the profession of landscape architecture in the U.S.

Dr. Henry C. Johnson Jr., professor of education, has been elected president of the Middle-Atlantic States branch of the Philosophy of Education Society. Dr. Johnson will also serve on a steering committee to create a Pennsylvania chapter of the American Educational Studies Association. The association is composed of faculty specializing in educational theory and policy from the perspectives of history, philosophy, and the social and behavioral sciences. The Pennsylvania chapter will be formally organized this fall.

Lee M. Snyder Jr., manager of employee relations at the University, has been named director of the Personnel Division at Indiana University-Purdue University at Indianapolis, effective July 1. Mr. Snyder's appointment was announced this week following approval by the IU Board of Trustees. An economics graduate of Indiana University of Pennsylvania, he came to Penn State in 1967 as a classification analyst. Later, he served as a regional personnel officer and as assistant to the manager of employee relations. Previously, Mr. Snyder was a district executive for the Boy Scouts of America in Washington, Pa., for one year. He and his wife, Nancy, are the parents of two children.

Dr. Henry J. Hermanowicz, dean of the College of Education, was recently appointed to the National Teacher Examinations Policy Council, which establishes program policies involving the development and use of the National Teacher Examinations and other teacher programs.

The 12 council members represent state departments of education, teacher training institutions which use the National Teacher Examinations, and several institutions which do not use the exams. The council operates under a cooperative agreement with the Educational Testing Service of Princeton, N.J.

Dr. Harold M. Frost, project scientist at the Applied Research Laboratory, recently visited, as a guest of the Polish Academy of Sciences, with scientists in ultrasonics, physics, and related areas at the University of Warsaw, the Institute for Fundamental Technological Problems in Warsaw, and the University of Krakow. Earlier, he had given a paper at the Ultrasonics International 1979 Conference in Graz, Austria, entitled (briefly) "An Equivalent Circuit for a Power Ultrasonics Vibrator."

Dr. Monroe Newman, acting head of the Department of Economics for the past several months, has been named head of that department.

He succeeds Dr. Grant N. Farr, professor of economics, who will return to full-time teaching and research.

Dr. Newman joined the Penn State faculty in 1955 as assistant professor of economics. He was promoted to associate professor in 1957 and to professor in 1961. He served formerly as head of the department, beginning in 1958, but resigned that post in 1962.

In 1972, he was acting director of the University's Environmental Policy Center, then newly established. He has also chaired the University's Graduate Program in Regional Planning.

From 1964-66, Dr. Newman was on a leave of absence from Penn State to work on the establishment of the government's Appalachian Program and was director of research for the Appalachian Regional Commission during that time. In 1964-65, he was visiting professor of economics at the University of Pittsburgh.

Formerly, Dr. Newman was a member of the research department of the American Federation of Labor and an examiner for the National Labor Relations Board. He also served as assistant director of a study of graduate education for the American Economic Association and as a research economist for the Association of Casualty and Surety Companies.

Dr. Newman was selected as a Sir John MacTaggart Fellow by the University of Glasgow in Scotland and served on the National Academy of Sciences Environmental Studies Board on Decision Making for Regulating Chemicals in the Environment.

He was also formerly president of the Southern Regional Science Association and a member of the U.S. Committee on Health and Ecological Effects of Increased Coal Utilization. He has been a consultant to many federal and state agencies.

Dr. Newman is the author of "The Political Economy of Appalachia," and co-author of three other books, "Insurance and Risk," "Acid Mine Drainage in Appalachia," and "The Appalachian Experiment 1965-70."

A Brooklyn, N.Y., native, he earned his B.A. in economics from Antioch College and his M.A. and Ph.D., both in economics, from the University of Illinois.

Ann Kieffer Bragg has been appointed Director of the Office of Educational Relations and Special Assistant to the Senior Vice President for Administration as of May 29. Ms. Bragg, a doctoral candidate in higher education at Penn State, had been the administrative assistant in the Department of Political Science.

She received her B.A. in English from St. Olaf College in 1965 and her M.Ed. in higher education from Penn State in 1974. Prior to coming to Penn State in 1973, she was the assistant dean of women at St. Olaf for three years, and before that taught English at the St. Louis Park Senior High School for five years.

Ms. Bragg has published a monograph in the ERIC/Higher Education report series and an occasional paper and bibliography for Penn State's Center for the Study of Higher Education.

Dr. Richard Tressler, associate professor of ceramic science and engineering at the University, will serve as an adviser on materials research to the U.S. Army Basic Research Office for a year beginning in August. Dr. Tressler served overseas during the planetary session on ceramics during the recent international conference on phase transformation sponsored by the London-based Institution of Metallurgists at the University of York. He also presented a paper he co-authored, "Precipitation Hardening Behavior of Plastically Deformed, Titania-doped Sapphire."

Murray S. Martin, associate dean of the University Libraries, was recently elected vice president/president-elect of the Pittsburgh Regional Library Center. The center is a network of 51 libraries in Western Pennsylvania, West Virginia and Western Maryland with administrative offices on the campus of Chatham College in Pittsburgh. Member libraries have access to a nationwide computerized catalog and a computerized interlibrary loan system. The center also serves as a focal point for cooperative problem solving and for integration into state and national library networking plans.

Ward S. Diethorn, professor of nuclear engineering, was cited by the College of Engineering at its annual honors day luncheon for his outstanding service as a faculty advisor to undergraduate students.

Hugh M. Barclay, director of the Fayette Campus, has been elected chairman of the Council of Commonwealth Campus Directors for 1979-80.

He has been director of the Fayette Campus since its establishment in 1965. The campus now includes six buildings on 203 acres and enrolls approximately 900 students.

Under Mr. Barclay's leadership, Fayette has developed two associate degree programs unique to the University system. They are mining technology (with both the production and maintenance options) and solar heating and cooling technology.

Mr. Barclay holds a B.S. in natural governance simulation projects, which are presented before the Western Pennsylvania Commonwealth Campus Regional Conference and the American Association of Teacher Educators.

Mr. Barclay holds the B.S. in natural sciences from Waynesburg College and the M.S. in agriculture from West Virginia University. He is a trustee of Waynesburg College.

Dr. Robert L. Shrigley, associate professor of education, was a consultant to the Ministry of Education, Port-of-Spain, and the School of Education of the University of West Indies at St. Augustine, Trinidad, from May 28-June 1.

Working with elementary teachers from throughout Trinidad, he introduced the process concept of science teaching. He used as a model *Investigative Science in Elementary Education*, a resource developed for teachers by the Pennsylvania Department of Education assisted by a team of science educators including Dr. Shrigley.

Dr. Robert M. Petters, assistant professor of biology, recently presented invited talks at the College of Physicians and Surgeons of Columbia University and the University of Colorado Medical Center. He discussed his research on early mammalian development.

A composition by Burt Fenner, professor of music, was recently premiered by the Pittsburgh New Music Ensemble in a concert at Chatham College. The work, "I Like a Look of Agony," is based on a collection of 11 poems by Emily Dickinson and is written for baritone voice, several instruments and electronic tape.

Dr. S.V. Martorana, professor of education and research associate in the Center for the Study of Higher Education, recently returned from a sabbatical during which he explored possible cooperative programs between post-secondary institutions in the United States and counterpart Latin American institutions. He visited 12 Caribbean, Central and South American nations to gather information about higher education planning, trends toward decentralization of higher education, and expanding programs to train technological personnel in business, industrial and health service fields. Dr. Martorana provided consultation to the administration and staff of the National Institute for Research and Development in Education, to Peruvian education officials, and to the Education American Institute for Progress in Education based in Panama.

Dr. Marshall H. Kaplan, professor of aerospace engineering, presented a statement on Skylab June 4 to the Government Activities and Transportation Subcommittee of the Committee on Government Operations of the U.S. House of Representatives.

Dr. B. Lakshminarayana, professor of aerospace engineering, was the invited speaker for a seminar series on Fluid Mechanics at Stanford University's mechanical engineering department. He spoke on "Structure of Turbulence in Rotating Vokes."

Two members of the Penn State faculty, Dr. H. Seymour Fowler, professor of education, and Dr. Robert Schmalz, professor of geology, have been elected Fellows of the Explorers Club based in New York City. The club has an international, multidisciplinary membership of scientists from 58 countries, including seven Nobel laureates. A basic purpose of the club is to provide grants to promising young scientists for field work and exploration.

Anthony J. Barratta, assistant professor of engineering at the Altoona Campus recently presented a special seminar entitled "Three Mile Island: Possible Causes and Consequences" at Brown University's Center for Energy Studies and at a Material Science and Technology Division Seminar of the Naval Research Laboratory in Washington, D.C.

Joseph G. Meyers, assistant professor of speech communication, was named Chief Ogoniz during Honors Convocation this month. He was cited for his leadership, dedication and empathy toward students. He is a faculty advisor for two student activities, the Ogoniz Campus News and Hillel. His availability to students in an advisory capacity was also noted.

Dr. Joseph L. Wysocki, associate professor of home economics Extension, has been selected as an Outstanding Young Man of America for 1979 in recognition of outstanding professional achievement, superior leadership ability and service to the community.

Dr. Ronald Yasbin, assistant professor of microbiology and cell biology, has won the outstanding service award of Alpha Beta Chapter of Alpha Phi Omega National Service Fraternity. He was honored for his work as coordinator of the Tay-Sachs disease testing program held at the University last October. Nearly 330 people were tested during the day-long effort and 15 were identified as carriers of the fatal genetic illness.

Richard Hamwi, an instructor in the Department of Art, received a purchase award for a pen and ink drawing entitled "Lotus III," which was included in the 25th Annual Drawing and Small Sculpture Show held at Ball State University. The juror of the exhibition was Leon Arkus, director of the Carnegie Institute Museum of Art.

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Retirements

Dr. Dorothy E. Alfke, professor of education, will retire July 1 with the rank of professor emeritus.

Dr. Alfke joined the Penn State faculty in 1952 as an assistant professor of science education. A native of Brooklyn, N.Y., she received her bachelor's and master's degrees in science education from Cornell University and her Ph.D. in conservation education, also from Cornell.

Prior to coming to Penn State, she taught math and science in New York State public schools for five years and was on the faculty of Oneonta State College for three years.

While at Penn State, she served as a consultant in elementary science to the Pennsylvania Department of Education, was a member of a committee developing a series of publications for the improvement of elementary science instruction, and helped develop instructional television series.

Dr. Alfke has directed a number of summer science workshops for teachers, including a 1971 science education program for 100 teachers in Munich, Germany. In 1961-62, she taught at the International School in Bangkok, Thailand.

She is the author of numerous articles for professional journals and served as president of the Pennsylvania Science Teachers Association in 1967.

After retiring, Dr. Alfke plans to move to Horry County, S.C., where, during a sabbatical leave in 1976, she worked with teachers in elementary science education.



Emil J. Burcik



Richard O. Rowlands



Robert H. McCormick



Samuel S. Dubin



Harvey E. Shaffer



Dorothy E. Alfke

Dr. Emil J. Burcik, professor of petroleum and natural gas engineering, will retire with rank of professor emeritus July 1 after 27 years on the faculty.

A 1937 graduate of Carnegie Institute of Technology, he received his doctorate in chemistry and physics at California Institute of Technology in 1941.

Dr. Burcik worked as a research chemist with the U.S. Bureau of Mines, with Procter and Gamble, and as an associate professor at the University of Oklahoma before coming to Penn State in 1952.

His primary research interests are the use of polymers and surface active agents in petroleum recovery technology and the control of methane in coal mining operations. He is co-holder of a patent for a method of sealing fractures in coal seams to prevent the emission of methane gas into working areas.

Dr. Burcik has been a visiting professor at the Universities of Zulia in Venezuela and the University of Mexico, and at the Norges Technische Hochschule in Trondheim, Norway.

He has taught advanced courses in reservoir engineering and has supervised the preparation of a number of doctoral and master's theses. His book, *Properties of Petroleum Reservoir Fluids*, published in 1957, has become the standard textbook for phase behavior courses at many universities in this country and abroad and has been translated into Russian and reprinted in the U.S.S.R.

Dr. Samuel S. Dubin, professor of psychology in Continuing Education's Department of Planning Studies, will retire June 30 after 18 years on the University faculty.

Dr. Dubin, who has acquired an international reputation in the field of professional obsolescence and updating, has authored or co-authored many books and monographs in his specialty, and has published more than 75 papers. Currently, he is working on a book, *The Psychology of Keeping Up to Date*.

In 1975-76, he embarked on lecture tours, sponsored by the U.S. Information Agency, to East Africa, Southern Asia, Southeast Asia and the South Pacific. In 1970, he was chairman of the first International Symposium on Professional Obsolescence, held at Cambridge University.

Dr. Dubin holds a bachelor's degree

from Oberlin College, a master's from Columbia University and a Ph.D. from the University of Illinois, where he began his academic career as an assistant professor of psychology.

He was a research psychologist for the Pennsylvania Department of Health from 1957-61, leaving that post to join the University as an associate professor of psychology.

Dr. Dubin is a fellow in the American Psychological Association, the Pennsylvania Psychological Association, and Sigma Xi. He is a consultant to the National Science Foundation and a member of the American Psychological Association's Committee on Continuing Professional Education.

After his retirement, Dr. Dubin will become a visiting professor at the University of Southern California.

Dr. Jennings H. Jones, professor of chemistry in the Department of Chemical Engineering, retires June 30. Prof. Jones joined the Penn State faculty in 1941 as a research assistant. He retires with the rank of professor emeritus.

Robert H. McCormick, professor of chemical engineering and technical specialist for PENNTAP, will retire July 1 with the rank of professor emeritus.

Prof. McCormick, who came to Penn State 44 years ago as a research assistant in petroleum refining, was promoted to instructor in 1944. In 1948, he became an assistant professor in petroleum refining, in 1950, an associate research professor in chemical engineering, and in 1964 a full professor.

He has been the director and co-director

of more than 60 advanced degree theses. His early and extensive research, in both chemistry and chemical engineering, was concerned primarily with upgrading motor and aviation fuel quality, and producing both synthetic rubber and new petrochemicals. His later research included extensive testing and development of many types of fuels, including the high density kind used in U-2 jet engines.

In 1971, Professor McCormick became the first technical specialist for PENNTAP, which transfers available technical information to private and public sector enterprises.

The author of many technical articles, Prof. McCormick has contributed to three books. With two colleagues, he holds three patents. For several years he has served as technical adviser to the Governor's Energy Council.

In addition, Prof. McCormick has been active in civic and community work for some 30 years. In 1977 he received the 5y Barash Award for Human Services.

Prof. McCormick and his wife, Isabel, plan to remain in State College after he retires.

Richard O. Rowlands, professor of engineering research at the Applied Research Laboratory (ARL), will retire July 1 with the rank of professor emeritus.

In 1957, Prof. Rowlands, an expert in the then-new concept of color television and of electro-acoustics, came to Penn State as an associate professor of electrical engineering in the Department of Electrical Engineering.

One year later, he moved to the Ordinance Research Laboratory (now ARL) as associate professor of engineering

research. In 1964, he was made professor of engineering research, and in 1967 he was appointed chairman of the Interdisciplinary Graduate Program in Engineering Acoustics.

Born in Wales, Professor Rowlands received a B.S. in mathematics in 1937 and an M.S. in electrical engineering in 1950, both from the University College of North Wales.

From 1937 to 1948, he worked as chief filter designer for the G.E.C. Telephone Works in Stoke, Coventry. Then, as a specialist in network and information theory, he joined the British Broadcasting System as a senior lecturer.

At Penn State, he has been involved in wide-ranging research. He applied his knowledge of information theory to the design of directional arrays, and in a classic paper, co-authored with Prof. J.L. Brown, showed that some of the sophisticated techniques then being advocated could not out-perform the simpler techniques being used.

Another of his studies was concerned with the design of sonar signal waveforms, and he was the first to publish the description of a signal that was invariant to Doppler shift.

He then took charge of a research project aimed at designing and developing an under-water wire link capable of vastly increasing the amount of data that could be transmitted between two mobile vehicles. He accomplished this by inventing a novel pulse repeater that could faithfully regenerate the data.

More recently Prof. Rowlands has been studying target localization by sonar. He has numerous publications, including chapters in books, and has been awarded many patents in both the United Kingdom and the U.S.

After retiring, Prof. Rowlands will continue to live in State College with his wife Florence.

Harvey E. Shaffer, professor of dairy science extension, will retire June 30 with 33 years of service.

A native of Roane County, W. Va., he received his B.S. in agriculture from West Virginia University in 1943 and his M.S. from Penn State in 1949.

As Extension dairy specialist, Mr. Shaffer has been responsible for educational programs in reproductive physiology. He developed a visual aid to illustrate the importance of accurate heat detection and proper timing of artificial insemination service and a vital straining technique for bull spermatozoa to differentiate live and dead sperm in semen.

Recently, Mr. Shaffer was honored by the Pennsylvania Artificial Insemination organizations as one of the "pioneers of AI in Pennsylvania." He also was recognized for his outstanding service by Atlantic Breeders Cooperative.

Dr. Lillian Preston, associate professor of speech communication, will retire on July 1. Dr. Preston will make her home in Crowsville, Md.

She joined the Penn State faculty in 1961, after serving for four years on the faculty of Adrian College in Michigan. Before that, she was an instructor of speech and director of the student radio station at the University of Tampa and associate professor of speech and drama at West Georgia College.

From 1949 to 1951, Dr. Preston was associate professor of speech and director of the Stover Theatre at Stetson University in Florida, where she earned her A.B. and M.A. degrees. Her Ph.D. was granted by the University of Florida.

A recognized playwright, Dr. Preston has won a number of awards for her dramatic works, written primarily for high school and amateur productions. She is the author of a children's book, *Ching's Magic Brush*, published in 1973 by the Lerner Publishing Co., and of several plays and short stories for children.

At Penn State, Dr. Preston developed courses in radio and television writing and broadcasting and a course in the history of American television.

News in brief

(Continued from page 1)

transportation of hard copy, and no bookkeeping operations.

Each issue of the journal will be about 200 pages long, containing six to eight modules. In special editions, the journal will publish integrated sets of modules on one general topic; in subsequent editions, the modules will branch into specialized topics.

The editorial board, in an effort to broaden its composition, has extended invitations for membership to groups of leading materials scientists in the United Kingdom, Western Europe, India and the U.S.S.R.

For more information, contact EMMSE Coordinator Clifford A. Hewitt at the Materials Research Laboratory.

New Beaver Campus director being sought

An advisory search committee for the position of Director at the Beaver Campus has been appointed by President Oswald to assist him in identifying candidates.

The committee members from the Beaver Campus are Russell Brignano, associate professor of English, Chairman; Eldon Price, assistant professor of physical education; Emma Rocco, association president.

Other members are Robert Arbuckle, director of the New Kensington Campus, Frederick Lampe, professor of chemistry; George Lovette, assistant vice president for business; and William Schrader, head, Department of Accounting.

Applications and letters of nomination should be directed to Dean Robert Quinn, Room 111 Old Main Building, University Park, PA 16802 by Sept. 30.

Mr. Fischer postpones retirement

Floyd B. Fischer, vice president for Continuing Education, has, at the request of Dr. Oswald and Dr. Eddy, agreed to extend his retirement date from this summer until Jan. 1. In a memo to Continuing Education personnel, Mr. Fischer wrote, "Let me take this opportunity to thank each of you for your continued support and loyalty. I look forward to this extended time to aid in planning for the 1980s and to assure the continued growth and development of the University's continuing education program."

The University's Board of Trustees conferred the rank of vice president emeritus on Mr. Fischer at its May meeting.

Bookstore manager stresses textbook adoption deadlines

University faculty are reminded that the deadline for submitting textbook adoption forms to the Penn State Bookstore is the end of the third week of the term preceding the term in which the books are to be used.

Bookstore manager John S. Bischoff says the deadline is mandated by the time required to process orders for hundreds of courses and thousands of titles.

"If books are to be available for students by the beginning of the next term, we need the adoption forms from each faculty member long before the previous term ends," he notes. "This lead time is particularly crucial at an institution that operates on a term, rather than semester, calendar."

The deadlines for submitting textbook adoption forms for the ensuing four terms are: for fall term, June 27; for winter term, Sept. 25; for spring term, Dec. 20; for summer term, March 31.

After the Bookstore receives adoption lists, Mr. Bischoff explains, a number of time-consuming steps must be taken.

Each request for a book must be checked against inventory, after which an evaluation is made of past adoptions versus student purchases to estimate how many should be ordered for the new term.

In addition, quantities of used books are sought before new ones are ordered.

New book orders must then be grouped according to publisher, and orders must be typed with complete details, including ISBNs, authors, editions, and so forth. Four to six weeks must be allowed for delivery from publishing houses.

When deliveries are made, the store needs two to four weeks to unpack the huge shipments, check the contents against the orders, price every title, and shelf and tag the stacks with literally thousands of books — which often requires a rearrangement of floor space.

Lion's ear to be repaired

Heinz Warneke, sculptor of the Nittany Lion shrine, will return to University Park this month to help repair the statue's damaged right ear.

Mr. Warneke will make a plaster mold of the ear, which was damaged by vandals last November. The mold will be turned over to a stone carver. Mr. Warneke expects repairs to be completed within a month.

A gift of Penn State's class of 1940, the Lion was dedicated in 1942 after Mr. Warneke carved it out of a 13-ton block of limestone on the site where it crouches near Recreation Building.

Nittany Mountain Summer to begin next Thursday

Nittany Mountain Summer 1979 — the University's sixth consecutive celebration of the arts — begins at 8 p.m. Thursday, June 21, at the Pavilion with the Festival Theatre production of *Absurd Person Singular*. Alan Ayckbourn's comedy of domestic misadventure.

The play runs each evening through June 24 and from June 26 through July 1, with a 2 p.m. matinee on July 1 also. Tuesday through Saturday performances start at 8 p.m. Sunday evening performances begin at 7:30.

Set in the kitchens of three married British couples on three successive Christmas Eves, *Absurd Person Singular* satirizes the rise and fall of social classes in Great Britain. Imported from England, the play was produced on Broadway in 1974 with a cast that included Richard Kiley, Geraldine Page and Sandy Dennis.

The Festival Theatre production is directed by Robert E. Leonard. The professional Equity acting company for the play is composed of Walter Rhodes, Chris Weatherhead, Charmian Sorbello and Wanda Binson.

Ticket reservations may be made by calling 865-1884 or by going to the Playhouse theatre box office, open daily 10 a.m. to 9 p.m. All reservations must be paid at least 48 hours in advance of the performance for which they are reserved or they will be placed on general sale.

Tickets are also available for the Festival Theatre productions of *The Tuppenny Opera*, July 5-22, and *Boy Meets Girl*, July 19-29, and for the following Spectrum events: Conway Twitty and the Twittybirds, June 30; the film *The Magic Flute*, July 11; Judith Raskin, July 12; John Hartford, July 14; the Jerry Ames Tap Dance Company, July 28, and Fred Waring and the Young Pennsylvanians, Aug. 4.

Tickets for Spectrum events are available at Eisenhower Auditorium Monday through Friday 10 a.m. to 6 p.m. and on Saturdays of performances from 1 p.m. For information, call 863-0255.

Chambers Gallery features painting exhibit

The paintings of Linda Striedieck will be featured in an exhibit at the University's Chambers Gallery through June 30.

The artist, a resident of Port Matilda, has exhibited extensively in the East, and her work has won several prizes, including a first prize in the Central Pennsylvania Festival of the Arts in 1971. Her paintings are in private collections here and in Philadelphia and Baltimore.

Free film series

UN-COMMON SUMMER FILMS, a free, public film series, will be shown during the Summer Term at noon on Mondays and Fridays in Room 112 Kern Graduate Building. The films are sponsored by the Graduate Commons.

The Monday films, which are about or made by women, and dates of showings are: *Women in Prison*, June 18; *Gertrude Stein: When This Your See Remember Me*, June 25; *Heleen Keller in Her Story*, July 2.

A Doll's House, July 9; *Margaret Mead*, July 16; *Roberta Flack*, July 23; *Harriet Tubman and the Underground Railroad*, July 30; and *Poetry: Anne Sexton and Louise Nevelson*, Aug. 6.

The Friday film classics and dates are: *Oliver Twist*, June 15; *Open City* (Italian with English subtitles), June 22; *Passion of Jeanne D'Arc* (silent), June 29; *The 39 Steps*, July 6; *The Man Who Knew Too Much*, July 13.

His Girl Friday, July 20; *The Blue Angel* (German with English subtitles), July 27; *King Kong* (original version), Aug. 3; and *The Cabinet of Dr. Caligari*, Aug. 10.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Office for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Office, 865-1287 (network line 475-1287). Applications for these staff vacancies will be accepted until 5 p.m., June 21, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (P5-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

CLASSIFICATION ANALYST-OFFICE OF PERSONNEL ADMINISTRATION, University Park. Responsible for assisting in the implementation of wage and salary plans of the University. Gather information for the review of existing positions or the evaluation of new positions. Write job descriptions based on the compiled data. Assist in conducting research, surveys and coding data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering plus a minimum of one to two years of directly related experience.

DIRECTOR OF KERN GRADUATE COMMONS-GRADUATE SCHOOL, University Park. Establish, implement and evaluate ongoing goals, policies, and procedures which facilitate the programs and services in the Graduate Commons that serve to enhance the out-of-class life of the University community.

Supervisor-Commons Activities, University Park. Prepare budget recommendations for Commons operation. Minimum of a Master's degree in student personnel or related field plus two to four years of directly related experience in student personnel services, college union administration, etc. Minimal ability, programming orientation and appreciation for the arts are very important.

ENERGY EDUCATION SPECIALIST-COLLEGE OF ENGINEERING, University Park. Position involves presenting various programs including Energy Today and Tomorrow to high school groups, civic service organizations, employer groups, seminars, and institutions. B.S. degree or its equivalent in a physical science with one to two years of directly related experience. Some advanced work in an energy related field and knowledge of energy technology and educational methods. Residence may be maintained in any central Pennsylvania area.

NUCLEAR EDUCATION SPECIALIST-COLLEGE OF ENGINEERING, University Park. Position involves presenting various Nuclear Science and Radioisotope Programs to secondary school students, teachers, and other interested groups throughout the Commonwealth of Pennsylvania. Bachelor's degree in related physical science, plus one to two years of directly related experience. Must have valid Pennsylvania teacher's certificate. Residence may be maintained in any central Pennsylvania area.

MANAGER, ADMINISTRATIVE SYSTEMS-INTERCOLLEGE RESEARCH PROGRAMS, University Park. Responsible to the Assistant Director of the Computation Center for the design, implementation, execution, and adaptation of programming systems and office procedures to control access to Computation Center services. Master's degree or equivalent in Computer Science or Business Administration plus five years of directly related experience, three years in a lead position in applied business programming and business system analysis are required. Requires a strong background in applied computer fundamentals, applied computer programming practices and languages, automated business practices, and demonstrated management abilities.

Calendar

June 14-24

Special Events

Thursday, June 14
FFA Activities Week, "Developing Agricultural Competencies," contest winners awards, 9 a.m., Eisenhower Auditorium.

Friday, June 15
Late registration deadline for 10 week term. Add deadline for 10 week term.
Uncommon Friday Film Classics, Oliver Twist, noon, Room 112 Kern. Free.
Astronomy Colloquium, Mauri J. Valtonen, Univ. of Alabama, on "Theory of Double Radio Sources," 2 p.m., Room 445 Davey. Commonsplace Theatre, Breakfast at Tiffany's, 7 and 9 p.m., Room 112 Kern. Also June 17.

Saturday, June 16
France-Cinema, Cousin Cousine, 7 and 9 p.m., Room 112 Kern. Also June 18.

Sunday, June 17
Opening reception for Clyde Hate and his photography exhibition, 3-5 p.m., Kern Bldg.

Monday, June 18
Last date for August graduates to activate diploma cards and pay these fees at Burns' Office.
Intramural sports. Entry open: tennis — men's singles, women's singles, mixed doubles, racquetball — men's and women's singles, IM Bldg. Entry close, noon, June 21.
Uncommon Films Off, By and For Women, *Women in Prison*, noon, Room 112 Kern. Free.

Thursday, June 21
Festival Theatre, Alan Ayckbourn, *Absurd Person Singular*, 8 p.m., The Pavilion Theatre. Also June 22-24 and June 26-July 1.
20 weekly performances, 7:30 p.m. and matinee at 2 p.m. on July 1.

Friday, June 22
Pass/Fail for 10 week term. Also June 25 and 28.
Uncommon Friday Film Classics, *Open City*, noon, Room 112 Kern. Free.
Commonsplace Theatre, *Nights of Cabiria*, 7 and 9 p.m., Room 112 Kern. Also June 24.

Saturday, June 23
France-Cinema, *Going Places*, 7 and 9 p.m., Room 112 Kern. Also June 25.

Exhibits

Chambers Gallery, Linda Striedieck, paintings, "Works in Offset," a project of Alternative Art, Columbus.

Kern Commons Gallery: Richard Alden, colored pencil drawings, through June 16. Linda O'Leary, spinning, Christine Throver, jewelry; Jinx Webster, ceramics, and Retrospective Photography by Clyde Hate, all open June 16.

Museum of Art: European works from the Permanent collection, and The Intimate Works of Faust and Titolo, both through June 24. Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill, opens June 24.

Appointments

Bruce L. Benson as assistant professor of economics. B.A., M.A., U. of Montana. Ph.D., Texas A&M. Formerly visiting assistant professor, Penn State.

Emily R. Grosholtz as assistant professor of philosophy. B.A., U. of Chicago, M.A., M. Phil., Ph.D., Yale.

H. Allen Handford as assistant professor of psychiatry. Hershey, A.B., Harvard; M.D., U. of Iowa. Formerly intern, Broadlawn County Hospital; assistant professor, T. Jefferson U.-Phila.

Daniel J. O'Keefe as assistant professor of speech communication. B.A., M.A., Ph.D. U. of Illinois. Formerly assistant professor, U. of Michigan.

Gerhard F. Strasser as assistant professor of German. B.A., M.A., Ludwig-Maximilians-Universität-Munich; Ph.D., Brown University. Formerly assistant professor, Northwestern U.

Penn State Intercom

News in Brief

University's TIAA contribution to increase

On behalf of each faculty or staff member who belongs to Teachers' Insurance and Annuity Association (TIAA) retirement program, the University makes a contribution which by law is determined each year by the State Employees' Retirement Board, based on an actuarial evaluation.

From July 1, 1978, through June 30, 1979, the amount of the University's contribution has been 7.65 percent. That amount will be increased beginning July 1, 1979, to 7.85 percent of salary.

Faculty and staff members will continue to contribute 5 percent of salary.

Office reorganizes

William D. Moir, contract negotiator and coordinator, has been named director of the University's Office of Sponsored Programs in a reorganization of that office, effective July 1.

Henry E. Pfischner and Frank T. Zonts, assistant contract negotiators and coordinators, have been promoted to associate directors.

The Office of Sponsored Programs processes proposals and carries out the University's negotiations for research grants and contracts, fellowships and training agreements.

"A reorganization of the office is necessary, because of the growing work load," Dr. R.G. Cunningham, vice president for research and graduate studies, explains. "The volume of proposals has doubled over the past 10 years to the present level of 1,000-per-month, and further increases are anticipated. The new alignment will allow for a more efficient operation."

Under the reorganization, Mr. Pfischner will become associate director for proposals, while Mr. Zonts will be associate director for contracts.

Eligible persons may file for Earned Income Credit

Employers must include the advance Earned Income Credit payments with wages paid after June 30, 1979, to eligible employees who choose to receive the advance payments.

The check list below will help you determine if you are eligible for the earned income credit. If you answer "no" to any questions on the checklist, you are not eligible for the earned income credit.

1. Do you expect the amount of your "Adjusted Gross Income" (including that of your spouse) to be less than \$10,000?
2. Do you expect at least one of your children to live with you full-time except when he or she is away to school or on vacation?
3. If married, do you expect to file a joint return? (If not married, leave blank.)
4. If not married, do you expect to pay at least half the cost of keeping up a household this year? (If married, leave blank.)
5. Do you expect all your earned income to be from sources inside the United States and not eligible for exclusion or exemption as foreign income or income from U.S. possessions?

6. Do you expect to claim an exemption for a child who will live with you, or do you expect to qualify as an unmarried head of household because of an unmarried child who cannot be taken as an exemption?

Employees who choose advance EIC payments must file Form W-5, Earned Income Credit Advance Payment Certificate, with the Payroll Office. These forms can be picked up in the Payroll Office, Room 301 Shields.

Employees who are eligible and choose not to receive advance payments will still get the benefit of the Earned Income Credit on their annual tax return.

Musical to open July 5

Festival Theatre continues its 22nd consecutive professional season at the University Park campus with a production of the musical, "The Threepenny Opera," opening July 5 and continuing through July 22 in The Playhouse.

Written in 1928 by Bertolt Brecht and Kurt Weill, "The Threepenny Opera" is based on John Gay's 18th century "Beggars' Opera."

The action of "The Threepenny Opera" revolves around the notorious villain, Mack the Knife, and his endless attempts to elude the law in 19th century, crime-ridden London. The musical features an array of characters including beggars, thieves, prostitutes, preachers and corrupt law officers.

Featured musical numbers include the classic hit song, "Mack the Knife" and "The Ballad of the Fanny Man."

The Festival Theatre production is being directed by Garland Wright, in his fourth consecutive season with the Festival Theatre.

Bruce Trinkley, assistant professor of music and director of the Penn State Glee Club, will serve as musical director.

Anne A. Gibson, Kurt Wilhelm and Charles H. Firmin, who collaborated on the artistic designs for the Festival's 1977 production of "A Little Night Music" have designed the sets, costumes and lighting, respectively, for "The Threepenny Opera."

Gibson and Firmin are both members of the University's Department of Theatre and Film faculty, while Wilhelm is resident costume designer for Actors' Theatre of Louisville.

The musical runs each evening, except Mondays, July 5 through 22, with additional matinee performances July 15 and 22 at 2 p.m. Evening curtains are 8 p.m. except Sundays when the performance begins at 7:30 p.m.

Tickets are available at The Playhouse Box Office, open daily 10 a.m. to 9 p.m. Reservations can be made by telephone by calling collect (814) 865-1884. All tickets reserved by phone must be paid for 48 hours in advance of the performance for which they are reserved or they will be placed on general sale.

Postal Service announces new size standards

The United States Postal Service will implement new size standards for envelopes, cards and other pieces of mail on July 15. After that date, oversized and odd shaped pieces of mail will be subject to a 7 cent surcharge.

Any piece of mail less than 3 1/2 inches high, 5 inches long or .007 of an inch thick (i.e., thinner than a postal card) cannot be mailed under the new regulations.



Dr. Leon R. Kneebone, left, internationally known expert on mycology, mushrooms and edible fungi, has donated his extensive collection of books, periodicals, journals, reprints and personal papers to the University Libraries. He was honored recently at a reception held at Patten Library. President John W. Oswald, center, and Dean Stuart Forth of the University Libraries, right, are shown at the reception with Dr. Kneebone, professor emeritus of botany and plant pathology.

Capitol Campus changing phone numbers

The telephone numbers at Capitol Campus will be changed on July 7. It will be necessary to dial 421, instead of 783 when placing a call to Capitol Campus from University Park or any branch campus network line.

University Park personnel may obtain individual listings by dialing their information operators at 865-4700. Branch campuses should call Capitol at 783-6000 for additional listings not shown here.

Capitol Campus Main	
General & Public Information	783-6000
Admissions	
Undergraduate Admissions	783-6250
Graduate Admissions	783-6250
Financial Aid	783-6250
Registrar	783-6020
Records & Transcripts	783-6020
Veterans Affairs	783-6250
Bookstore	783-6286
Business Ofc	783-6005
Computer Center	783-6188
Continuing Education	
Office	783-6275
University Center	
2991 N Front	238-9694

The 7 cents surcharge will apply to first class mail weighing 1 ounce or less and single piece third class mail of 2 ounces or less which are more than 6 1/4 inches high, 11 1/2 inches long or 1/4 inch thick.

Also subject to the surcharge are oddly shaped pieces which fall within the weight units noted in the above paragraph. The length of such pieces must be 1.3 to 2.5 times their height.

There are certain exceptions to the minimum size prohibition. If a piece is more than 1/4 inch thick, it does not have to measure at least 3 1/2 inches high or 5 inches long. Keys, identification cards and tags are also exempted from all but the minimum thickness standard. Lightweight film cartridge envelopes will be subject to the surcharge.

Jim McKivision, manager of the University's Mailing Services, will be glad to answer any questions at 865-4051.

Libraries open July 4

The University Libraries will be open from 1 p.m. to 10 p.m. Wednesday, July 4.

Employment	
Housing & Food Service	783-6241
Other	783-6004
Engineering Lab B1	783-6230
Financial Ofc	783-6009
Housing & Food Service	
Manager	783-6241
Meade Heights Maintenance	783-6244
Institute of State & Regional Affairs	
783-6178	
Instructional Programs	
Undergraduate	
Business Administration	783-6139
Elementary Education	783-6205
Engineering & Technology	783-6116
Humanities	783-6189
Mathematical Sciences	783-6081
Social Sciences	783-6034
Graduate	
Administration	783-6140
Elementary Education	783-6205
Engineering	783-6108
Humanities	783-6189
Public Administration	783-6050
Regional Planning	783-6173
Instructional Services	783-6220
Library	
Circulation Desk	783-6070
Librarians	783-6079
Periodicals	783-6070
Reference	783-6070
Technical Operations	783-6077
Maintenance	
Heat Plant	783-6246
Supervisor's Ofc	783-6235
Police Services	783-6070
Provost-Dean	783-6100
Academic Affairs	783-6103
Assistant To Dean	783-6105
Research & Continuing Education	
	783-6105
Public Information	783-6009
Safety	783-6019
Student Government Association	
	783-6137
Student Services	
Counseling	783-6025
Director-Student Affairs	783-6016
Health Services	783-6015
Placement	783-6260
Recreation & Athletics	783-6266
Residence Living Programs	783-6269
Student Activities	783-6273
Veterans Information	783-6250

Penn Staters

Dean N.J. Palladino of the College of Engineering recently gave a paper entitled "Government Constraints: Does USA Engineering Have a Future?" to the members of the Science, Research, and Technology Subcommittee of the U.S. House of Representatives' Science and Technology Committee. The paper, co-authored by Warren F. Witzig, professor and head of the nuclear engineering department, was presented as testimony at a congressional hearing on the subject of "Government and Innovation: An Engineering Perspective." The hearing was part of the 1979 Engineers Public Affairs Forum held in Washington, D.C., June 4-6.

E.A. Vastany, chairman of the Department of Humanities at Hershey, was awarded an honorary Doctor of Humane Letters degree by the Medical University of South Carolina at its graduation ceremonies on June 7. He was cited for his achievements as chairman of the nation's first department of humanities in a medical school which is "internationally recognized as a model for the inclusion of human values in medical education."

Dr. Della M. Roy, professor of materials science, gave a series of invited talks in Japan from May 26-June 6. Her initial lectures were given at a special meeting on hydrothermal reactions at the Tokyo Institute of Technology, and she also visited, gave lectures or attended meetings at several other university and industry research laboratories.

Kathryn Towns, associate professor of educational psychology at Capitol Campus, was elected co-convenor of the National Women's Studies Association at the group's first convention held May 30-June 3 in Lawrence, Kan.

Dr. Gordon F. De Jong, professor of sociology and associate director, Population Issues Research Center, has been invited to coordinate a month-long workshop on "Approaches to Migration Decision Making" for the East-West Population Institute, Honolulu, Hawaii. The workshop will include 15 participants from the U.S. and eight Asian nations. Also participating in the Summer workshop are Dr. Warren C. Robinson, professor of economics and Director, Population Issues Research Center, and Dr. Sarah F. Harrison, faculty associate in the Center.

Dr. Napoleon Chagnon, professor of anthropology, has been awarded two research grants totaling nearly \$50,000 to pursue his research on extending the theory of sociobiology into areas of kinship, demography and economics. Both grants are from the Harry Frank Guggenheim Foundation. Dr. Chagnon will spend part of next year at Cambridge University in England.

Dr. David L. Pearson, assistant professor of biology, recently presented invited talks at the Zoological Institute of the University of Vienna, Austria. He discussed "Ecological patterns in insect and bird communities of deserts and tropical lowland forests."

Two retired faculty members, Dr. Dorothy Quiggle and Dr. Ruth Pike, have been chosen this year's National Honorary Members of Sigma Delta Epsilon/Graduate Women in Science. Conferred in "recognition of outstanding achievement in scientific research," the honorary membership designation is the highest award bestowed by the 58-year-old organization. This is only the second time that two scientists from the same institution have been honored simultaneously. Dr. Quiggle is professor emerita of chemical engineering, and Dr. Pike is professor emerita of nutrition.

Dr. William E. Caldwell, associate professor of education, has been appointed director of the Pennsylvania Bureau of Mediation. The bureau helps to resolve contractual impasses under Act 195, the Public Employees Collective Bargaining Law.

Dr. Reginald A. Deering, professor of biophysics, recently presented an invited talk at the Sixth International Congress of Radiation Research, Tokyo, Japan. He discussed "DNA Repair Pathways in *Dictyostelium discoideum*."

Dr. Lynn S. Liben, associate professor of child development, was elected vice president of the Jean Piaget Society for 1979-80 during its annual symposium last month in Philadelphia. The Society consists of about 700 researchers and practitioners worldwide in the disciplines of psychology, education, philosophy and psychiatry.

A one-man show of paintings by Bill Hanson, associate professor of art, is being held at the BAAK Gallery in Cambridge, Mass., until July 20.

Dr. Jerry C. Olson, associate professor of marketing, recently presented invited seminars to the marketing department at the University of Chicago and Carnegie-Mellon University. He spoke on "Cognitive Responses as Mediators of Communication Impact on Cognitive Structure."

Two Ogontz faculty members received Outstanding Teaching Awards this year. They are Dr. Anton Glaser, professor of mathematics, and Dr. Albert Miles, assistant professor of English. Both teachers received checks and personal plaques, and will have their names inscribed on a permanent plaque displayed in the Campus library.

Hershey appointments

Thomas V.N. Ballantine as chief of pediatric surgery. B.A., Princeton; M.D., Harvard. Formerly assistant professor, Indiana U.; resident, Children's Hospital-Boston, Harvard Surgical Service, and New England Deaconess Hosp.; surgeon, Station Hosp.-Da Nang, Viet Nam.

John J. Botti as assistant professor of obstetrics and gynecology. B.S., Notre Dame; M.D., Albany Med. College of Union. Formerly teaching fellow, research fellow, U. of Pitt.

Michael J. Forsythe as assistant professor of anesthesiology. B.S., Boston College; M.D., U. of Virginia. Formerly resident, U. of Penn. Hosp. and Phila. Gen. Hospital.

Steven R. Goodman as assistant professor of physiology. B.S., SUNY at Stony Brook; Ph.D., St. Louis U. Formerly postdoctoral fellow, Harvard and Sidney Farber Cancer Ctr.-Boston.

David E. Jeal as assistant professor of anesthesiology. B.A., M.A., Univ. College, Oxford; B.M., B.A., L.R.C.P., M.R.C.S., Radcliffe Infirmary, Oxford. Formerly private practice, Netherlands; senior anesthetist, principal anesthetist-in-charge, King Edward VIII Med. School.

Mariam W. Roland as assistant professor of psychiatry. B.A., Rice U.; M.A., Louisiana State; M.D., U. of Texas. Formerly anesthesiology assistant, U. of Texas Med. Branch.

John C. Werner as assistant professor of pediatrics. B.A., Boston U.; M.D., Hershey. Formerly postdoctoral fellow, Yale; resident, intern, Dartmouth.

Edward C. Woodward as assistant professor of obstetrics. B.S., Harding College; Ph.D., M.D., U. of Missouri. Formerly resident, U. of Illinois-Chicago; chief resident, North Carolina Memorial Hospital.

Retirements



Robert Frank Jr.

Dr. Robert Frank Jr., a Chaucerian scholar and head of the Department of English, will retire on July 1 with the rank of professor emeritus. Dr. Frank has been a member of the Penn State faculty since 1958.

He will continue to edit the *Chaucer Review*, a *Journal of Medieval Studies and Literary Criticism*, which he helped to found nearly 14 years ago. He will also serve as ombudsman for the College of the Liberal Arts during the 1979-80 academic year.

A specialist in medieval literature and culture, Dr. Frank is the author of *Chaucer and the "Legend of Good Women,"* published in 1973 by the Harvard University Press. The first booklength study of the *Legend*, it offered new insights into the development of Chaucer's artistry at a critical point in his career, just before he started *The Canterbury Tales* in 1386.

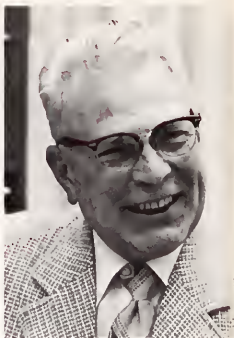
Dr. Frank also co-edited two books with Dr. Harrison Meserole, professor of English at Penn State. *The Responsible Man: The Insights of the Humanities* was published in 1965 by Doubleday. *The Critical Question: An Approach to the Problems of Critical Reading and Critical Writing* was published in 1964 by Allyn and Bacon. Another book, *Piers Plowman and the Scheme of Salvation*, written originally for the Yale Studies in English Series, was reprinted in 1969 by Archon Books of Connecticut.

Dr. Frank has received a John Simon Guggenheim Memorial Fellowship, two American Council of Learned Societies Faculty Fellowships and a fellowship from the Fund for the Advancement of Education. He was an Associate Fellow of Clare Hall at Cambridge University in 1971 and 1976, and a Visiting Fellow in 1972-73.

Dr. Frank was director of English graduate studies at Penn State from 1961 to 1971. Long active in the University Faculty Senate, he was chairman of the Faculty Rights and Responsibilities Committee last year. In 1973, he served on a 14-member ad hoc committee established by the Senate to study the implications of collective bargaining on faculty governance.

Dr. Frank received his B.A. from Wabash College, where he was elected to Phi Beta Kappa. He holds an M.A. from Columbia University and a Ph.D. from Yale. All three degrees are in English. Before joining the Penn State faculty, he taught at Lafayette College, the University of Rochester, Princeton University, Northwestern University and the Illinois Institute of Technology.

Following his retirement, Dr. Frank plans to return to his research and to write. He and his wife, Gladys, will continue to live in State College.



Alvin R. Grove

Dr. Alvin R. Grove, associate dean for Commonwealth Campuses and Continuing Education in the College of Science, will retire July 1 with the rank of associate dean emeritus and professor emeritus of botany.

Dr. Grove joined the University in 1941 as instructor at Mont Alto and came to University Park in 1942. He was promoted to assistant professor in 1946, to associate professor in 1949, and became a full professor in 1957. He assumed his administrative role in 1964.

As associate dean, Dr. Grove was responsible for overall supervision of the instructional programs of the College of Science at Commonwealth Campuses, at Behrend College, and the Graduate Centers. His concern with Continuing Education was statewide at all locations. His office has also served as the operations center for science institutes for teachers.

A native of Harrisburg, he received his B.S. from Lebanon Valley College, his M.S. from the University of New Mexico, and his Ph.D. from the University of Chicago. Dr. Grove entered the service in 1943 and in 1946 went into the Reserves as a major.

Dr. Grove is co-author of *Botany*, the largest selling textbook in its field, with translations in Spanish and Hindi. He has also written *Lure and Lore of Trout Fishing* and was co-editor, with Philip White, of *Plant Tissue Culture*.

Active in local, state and federal affairs for many years, he was one of the founders of the Pennsylvania Crop Improvement Association and a three-term president of the Pennsylvania Outdoor Writers Association. He was a member of an advisory group to the Department of Interior in the mid-sixties. Since 1971, he has served on the Citizen Advisory Council of the Department of Environmental Resources.

Dr. Grove won the Arnold Gingrich Memorial Award from the Museum of American Fly Fishing in 1977. He was named Trout Conservationist of the Year in 1974 and won an Outstanding Teaching Award from the College of Agriculture.

Dr. Grove has been a director of Trout Unlimited since 1967, has been director of the Museum of American Fly Fishing and served on the Commission on Undergraduate Education in the Biological Sciences from 1966 to 1969.

Carolyn R. Schrock, associate professor of community resource development and Extension resource development specialist, will retire June 30 after 13 years with the University. She received both her bachelor's and master's degrees from Michigan State and was the first woman in the United States to receive a degree in community development.

Dr. Arthur W. Hellman, professor of education and director of the Penn State Reading Center, will retire from the University July 1. Dr. Hellman, who joined the Penn State faculty in 1962, will hold the rank of professor emeritus. He earned his B.A. in English and history from Carthage College in Illinois. His M.A. in psychology and Ph.D. in educational psychology were awarded by the University of Iowa.

Before coming to Penn State, Dr. Hellman was on the faculty and was director of the Reading Laboratory at Michigan State University for three years and was professor of education and director of the University of Oklahoma Reading Laboratory for 11 years.

At Penn State, he has served as a consultant to schools and to the U.S. State Department on a project to produce reading-language arts textbooks for Central American elementary schools.

During 1964-65 he conducted a study on first grade reading for the U.S. Office of Education. In 1968 and again in 1971, he served as visiting professor of education at the University of California at Berkeley.

He is the author of five books on reading, phonics and the teaching of reading as well as numerous articles.



Arthur W. Hellman



Philip F. Hallock



John F. Hokanson



Emerson L. Grindall

Dr. John F. Hokanson, professor of veterinary science, will retire July 1, with the rank of professor emeritus. He has been a member of the faculty since 1952.

A native of New York City, he received a B.S. in animal husbandry from Virginia Polytechnic Institute and a D.V.M. from the New York State Veterinary College, Cornell University. Before coming to Penn State, he worked for the Bureau of Animal Industry at Starkville, Miss., was an associate professor of surgery, obstetrics and clinics at the Veterinary College, Auburn University, and spent four years in private practice.

Until recently, his primary responsibility was as veterinarian for the University's herds and flocks. He was coordinator for the animal biosciences curriculum — integrating studies in dairy and animal, poultry, and veterinary sciences. He also was chief advisor for students in pre-veterinary medicine.

Emerson L. Grindall, professor of engineering research at the Applied Research Laboratory, will retire with emeritus rank on July 1, after 28 years of service.

Mr. Grindall joined the Penn State faculty in 1951 as an assistant professor of engineering research at the Ordnance Research Laboratory, the predecessor of the Applied Research Laboratory. He was promoted to associate professor in 1955 and received his full professorship in 1966.

His research has centered on underwater acoustics and its application for torpedo systems. During the U.S. Navy-sponsored project to develop the Mark 48 torpedo, he was in charge of reliability and maintainability of the weapons system, serving directly under the project's technical director.

He also served as project engineer in charge of various research programs which included analyses of torpedo field data. In addition, Mr. Grindall was project director for an experimental torpedo model that would utilize for its homing system the bubble content of the ocean rather than acoustics.

He has published a number of articles in scientific journals, as well as classified reports for the Navy.

A native of Jackson, Mich., Mr. Grindall received his A.B. in physics from Olivet (Mich.) College in 1938 and the M.S. in mathematics from Michigan State University in 1946. He was an instructor of mathematics at Michigan State from 1946-51.

Acting in area Scouting, Mr. Grindall has served as a scoutmaster, a council and district commissioner. He is currently a trustee of St. Paul's United Methodist Church in State College.

He and his wife, Eva Jane, the parents of four married children, will continue to reside in State College after his retirement.



Harold B. White Jr.



Wirth McCoy

Harold B. White Jr., associate professor of physical education and director of Intramural and Recreational Sports in the College of Health, Physical Education and Recreation, will retire July 1.

The Division of Recreational Sports, which he heads, coordinates intramural athletic events, sports clubs and faculty and student recreational programs. It is one of three major administrative programs within the College, the other two being academic programs and intercollegiate athletics.

Hired in 1948 as a recreational specialist in the Department of Rural Sociology, Mr. White in 1951 became an assistant professor of recreation and helped to organize the present-day Penn State Outing Club. In 1963, he began teaching individual sports, and folk and square and ballroom dancing in the Physical Education program. He also assisted in the coaching of the women's gymnastics team.

In addition to his teaching duties, Mr. White has served, for the past several years, as coordinator of the Student-Faculty Sports Club Office, which provides administrative services and financial guidance to the Outing Club and nearly 30 other sports-related student and faculty clubs associated with the College.

Philip F. Hallock, professor of architecture, is retiring July 1 following 33 years of teaching.

Mr. Hallock received his B.S. and M.S. degrees in architecture from the University in 1935 and 1937, respectively. He worked in a Chicago architectural firm, as well as with architect Raymond Viner Hall of Port Allegheny, Pa., and then served in the Navy before joining the faculty in 1946. After coming to Penn State, he opened his own architectural firm in State College. In 1968 he was appointed acting head of the Department of Architecture, and that same year, he took a group of senior architecture students to London for study at the Architectural Association School of Architecture. His group was the first from the Department of Architecture to pursue studies abroad.

On his sabbatical leave in 1968, Mr. Hallock presented lectures at the architecture departments of 24 colleges and universities in Canada, Australia and the United States.

Mr. Hallock has designed several buildings in State College, including the home of the local chapter of the American Philatelic Society and the addition to St. Andrews Church. He has designed structures elsewhere throughout Pennsylvania and in Ohio, Illinois and New York.

During 1956-1957 he served as president of the central Pennsylvania chapter of the American Institute of Architects. He has been a member of the advisory board for the architecture program at Williamsport Community College and served as president of the Bellefonte-State College Industrial Development Corporation.

Mr. Hallock's plans for the future include travel with his wife, Florence, and continuing work as an architectural consultant.

Wirth McCoy has spent most of his adult life pursuing two careers, that of professional artist and teacher.

He will retire as a professor of art on July 1, but now that he is no longer teaching and advising, he is spending four to six hours a day, six days a week, in his studio pursuing his own career in drawing and painting.

Mr. McCoy joined the Penn State faculty in 1964, as professor and head of the Department of Art. In 1971 he left administration to devote full-time to teaching.

Before coming to Penn State, he taught at Oregon State and Washington State Universities. At the latter he was director and resident artist for the Washington State Art Center in Spokane. He also served on the Cultural Arts Advisory Committee for the Seattle World's Fair of 1962.

His education includes a B.A. from the University of Minnesota, an M.F.A. from the University of Iowa and a diploma in painting and design from the Academie de la Grande Chaumiere, Paris.

At Penn State Mr. McCoy has been senior Fulbright advisor and served on the Fulbright-Hays screening committee. He was a member of the University Senate for six years and has been active in many University-wide and college committees.

In local arts organizations, he has served as a director of the Allied Arts of Central Pennsylvania and was art director for the first annual Central Pennsylvania Festival of the Arts. He has also participated as an exhibitor in shows in both groups.

Mr. McCoy has exhibited works in group shows throughout the United States and has had 15 one-man shows in this country and Canada. Exhibitions of his works are planned for Penn State's Zoller Gallery and Museum of Art in January 1980.

Mr. McCoy and his wife, Dorothy, plan to maintain their residence in State College after his retirement from Penn State.

(Continued on page 4)

Prior to joining the University faculty, he served for four years in the U.S. Air Force, and was an executive with the Boy Scouts of America. He holds a B.S. degree in recreation and an M.S. in education from the University of Massachusetts.

George A. Ruff, assistant professor of engineering research at the Applied Research Laboratory, will retire from the University on July 1 after 28 years of service.

Mr. Ruff, a native of Schuylkill Haven, graduated from Penn State in 1936 with a B.S. in chemical engineering. He served in the U.S. Coast Guard and worked as a chemist for U.S. Leather Co., Ridgway. He spent 18 months at the Ordnance Research Laboratory, rejoined U.S. Leather, and in 1951 was appointed a research associate in ORL.

Mr. Ruff's research has centered on torpedo homing systems, and he has published papers and monographs in this field. For 12 years, he was manager of the ARL's Black Moshannon Calibration Station. When the station closed in 1971, Mr. Ruff returned to the ARL to perform data reduction work and expedite proposals.

Retirements

(Continued from page 3)

On July 1, Dr. Neil A. McNall will retire as professor emeritus of American history after 32 years as a member of the faculty.

Dr. McNall earned his doctorate in American history at Cornell University. He holds a B.S. in education with a major in history and an M.A. in history, both from the University of Vermont.

Before joining the Penn State faculty in 1947, he taught for three years at Westminster College in New Wilmington, Pa., and for two years at New York College of Teachers at Albany. In addition to instructing in the introductory courses in American history at Penn State, he inaugurated the study of agricultural and frontier history, and guided a number of doctoral students in early American economic history.

For more than 25 years, Dr. McNall served as instructor of the History 20 correspondence course offered through Continuing Education at Penn State. He wrote three syllabuses used in that course.

Among his publications is *An Agricultural History of the Genesee Valley, 1790-1860*, a volume that was published under the direction of the American Historical Association and that received special commendation from the Albert J. Beveridge Memorial Fund in 1952.

Dr. McNall has recently assumed the secretaryship of the Pennsylvania Historical Association. He has also been appointed archivist of the Central Pennsylvania Conference of the United Methodist Church.

He is engaged in the preparation of a biography of John Greig, early American immigrant, land speculator and business promoter of upstate New York. Dr. McNall will continue to reside in Pleasant Gap.

Dr. Albert L. Ingram, director of the Mental Health Center, retired from the University on June 16.

After 15 years of private psychiatric practice in Wilmington, Del., Dr. Ingram came to Penn State in 1963 as a University psychiatrist. A year later, he received the additional rank of associate professor of psychology.

In 1966, he was appointed associate director of Ritenour Health Center. In 1967, he was named director of University Health Services and University physician.

He resigned in 1968 to become commissioner of mental health for the State of Delaware. Two years later, he was appointed as Delaware's secretary of health and social services.

He rejoined the staff of the University's Mental Health Center in 1972, and became its director in 1976.

A native of Collingswood, N.J., he received the B.S. in biology from Davidson College and the M.D. from the University of Maryland School of Medicine. His postgraduate study in psychiatry was accomplished at Jefferson Medical College, and his residency in psychiatry was served at St. Elizabeth's Hospital, Washington, D.C.

Dr. Ingram holds a diplomate from the American Board of Psychiatry and Neurology and is a member of the American Medical Association and the American Psychiatric Association.

Dr. and Mrs. Ingram, the former Margaret E. Smith, have moved to North Carolina.

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Calendar

June 28-July 12

Special Events

Thursday, June 28

Festival Theatre, *Absurd Person Singular*, 8 p.m., The Pavilion Theatre. Also June 29, 30, July 1, 2 p.m. and 7-30 p.m.

Friday, June 29

Uncommon Friday Film Classics, *The Passion of Joanne d'Arc (silent)*, noon, Room 112 Kern. Free.
Commonplace Theatre, *Philippe de Broca, That Man from Rio*, 7 and 9 p.m., Room 112 Kern. Also July 1.

Saturday, June 30

Last date for August graduates to deliver doctoral theses to committee.
France-Cinema, *Alain Resnais, Stavisky*, 7 and 9 p.m., Room 112 Kern. Also July 1.
Spectrum, *Conway Twitty with the Twelvies*, country and western music, 7 and 9:15 p.m., Eisenhower Auditorium.
Explazanza free film, *Nosferatu (The Undead)*, dusk, Fisher Plaza.

Monday, July 2

Last registration deadline for a week term.
Add deadline for 6 week term.
Uncommon Films Of and By Women, *Helen Keller in Her Story*, noon, Room 112 Kern. Free.

Interdisciplinary Symposium on Value Lecture, 7-30 p.m., Room 112 Kern. Free.
Political science, on "Moral Judgment and Bureaucracy."

Tuesday, July 3

Last registration deadline for 8 week term.
Add deadline for 8 week term.
Late date for written language examinations (other than French and Spanish) for advanced degree candidates.

Wednesday, July 4

Independence Day, holiday.

Thursday, July 5

Pass/Fail for a week term. Also July 6 and 9.
Festival Theatre, *Bertolt Brecht and Kurt Weill, The Threepenny Opera*, 8 p.m., The Playhouse. Also July 6, 8-10:15, 12-22.
Sunday performances at 7-30 p.m. and matinees at 2 p.m. on July 15 and 22.

Friday, July 6

Uncommon Friday Film Classics, *The 39 Steps*, noon, Room 112 Kern. Free.
Commonplace Theatre, *Hitchcock double feature, Notorious*, 7 p.m. and *The Lady Vanishes*, 9 p.m., Room 112 Kern. Also July 8.

Saturday, July 7

Last date for final oral doctoral examinations for August graduates.
Last date for August graduates to deliver master's theses or papers to advisors.
Shaver's Creek Nature Center, fly fishing workshop with Joe Humphreys. By registration only. Phone 865-1851 or 238-5872 for more information.

France-Cinema, *Werner Herzog, The Enigma of Kasper Hauser*, 7 and 9 p.m., Room 112 Kern. Also film, *Explozanza free film, Cabaret*, dusk, Fisher Plaza.

Sunday, July 8

Reception for the opening of the 13th Annual Central Pa. Festival of the Arts, 7-9 p.m., Museum of Art Chambers, HUB, Kern and Zoller Galleries also open.
NATS Summer Workshop, Temple University Opera Theatre, *Sweet Betty from Pike* and scenes from *La Boheme* and *La Traviata*, 8:30 p.m., Schwab.

Monday, July 9

Drop deadline for 6 week term.
Course repeat deadline for 6 week term.
HUB Craft Center course registration for 2nd summer session, through July 14, Room 312 HUB. 865-0611 for more information.
Uncommon Films Of and By Women, *A Doll's House*, noon, Room 112 Kern. Free.
NATS Summer Workshop, Gordon Myers, baritone, "The Art of Betty Cantor," 8:30 p.m., Music Bldg. Recital Hall.
Tuesday, July 10
Penn State Federal Credit Union Board of Directors meeting, noon, Telephone Bldg. Members welcome.
Explazanza free concert, *The Rockets*, 7:30 p.m., Fisher Plaza.
NATS Summer Workshop, Sandra Sliker, mezzo-soprano, 8:30 p.m., Music Bldg. Recital Hall.

Wednesday, July 11

Pass/Fail for 8 week term. Also July 12 and 13.
Phi Delta Kappa Lecture, 11 a.m., Room 108 Forum Theatre.
The Hon. J. William Lincoln, Pa. senator, 32nd district, on "How New Legislators Move onto the Education Scene." CPFA concert, "Music of P.D.Q. Bach," 7 p.m., Schwab.
CPFA film, *A Slave of Love*, 7 p.m., HUB Assembly Hall.
Madrigal Singers, 8 p.m., CPFA Festival Tent.
Spectrum Film, *The Magic Flute*, 8 p.m., Eisenhower Auditorium.
State College Music Guild, chamber music, 8:30 p.m., Schwab.
CPFA outdoor film, *Hearts of the West*, 9:30 p.m., HUB Lawn. Rain: HUB Ballroom.

Thursday, July 12

CPFA Physical Fitness for Children, 10 a.m., Old Main Lawn. Rain: Festival Tent.
Melodrama, *The Perils of Priscilla or The School Marm's Dilemma*, 11:30 a.m., Festival Tent.
CPFA 13th Annual Sidewalk Sale, Campus Mall and downtown, noon-9 p.m.
Old Time Music for Children, noon, Festival Tent.
Musawwir, Gymnastic Dance Ensemble, 3 p.m., Old Main Lawn.

Exhibits

Chambers Gallery: Linda Striedieck, paintings, and "Works in Offset," a project of Alternative Art, Columbus, both through June 30. CPFA Children's Art, opens July 7.

HUB Gallery: Werner Foer, photographs; Dana Selmond, ceramics, paper and water colors, both through June 30. Village Crafts, quilts, Needle Arts, CPFA Juried Prints and Drawings, all open July 8.

Kern Commons Gallery: Clyde Hare, retrospective photography exhibition; and Linda O'Leary, Christine Thrower and Jinx Webster, spinning, jewelry and ceramics; all through July 7. David Armstrong, paintings, and Art Alliance Juried Exhibition, both open July 8.

Museum of Art: open daily noon-5 p.m. except Mondays. Special hours July 12, 13, 14, noon-8 p.m. with tours daily at 1:30 p.m. Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill; CPFA Juried Contemporary Crafts and Heritage Sampler - Domestic Arts and Crafts of Central Pa., 1750-1900, both open July 10.

Pattee Galleries: Veronica Ann Taylor, paintings, pastels and water colors, East Corridor Gallery; works by members of the Nittany Valley Chapter of the Embroiders' Guild of America, Main Lending Services Lobby.

Zoller Gallery: CPFA Juried Photo Exhibition, opens July 8.

Seminars:

Friday, June 29

Fuel Science, A. Soffer, Nuclear Research Center, Israel, on "Carbon Molecular Sieves," 2 p.m., Room 301 Steidle; A.R. Ubelohde, Imperial College, U.K., on "Synthetic Metals," 4 p.m., Room 301 Steidle.

Monday, July 2

Fuel Science, H.P. Boehm, Univ. of Munich, West Germany, on "Catalytic Activity of Carbons in Oxidation Reactions," 11 a.m., Room 301 Steidle.

Tuesday, July 3

Fuel Science, F.R. Reinoso, Univ. of Granada, Spain, on "Characterization of Supported Catalysts," 11 a.m., Room 301 Steidle.

Staff Vacancies

The following vacancies for positions classified as staff exempt from pay nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by filling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 3, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practice (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or former era veteran.

BUSINESS MANAGER, Ogontz

Responsible to the Campus Director for University business matters on the Ogontz Campus, including the maintenance and operation of buildings and grounds; coordination with the Office of Personnel Administration, Office of Physical Plant activities;

operation of auxiliary enterprises, parking program, security; campus patrol service and U.S. Post Office Branch. Bachelor's degree in an area such as business administration, or equivalent organized study or training, plus four to six years of directly related experience in building construction and alteration, purchasing, personnel, etc., with a supervisory background.

POLICE SERVICE OFFICER - UNIVERSITY SAFETY University Park. Responsible to the Police Supervisor for carrying out the functions of protection of life and property, preservation of peace and good order of the community, enforcement of laws, public safety, investigative work and other related duties. Bachelors Degree in Law enforcement or the social sciences or 60 academic credits at a 2.0 or higher average and one to two years' experience as a law enforcement officer.

ASSISTANT SPORTS INFORMATION DIRECTOR, HEALTH, PHYSICAL EDUCATION AND RECREATION, University Park Responsible to the Sports Information Director for writing original and creative articles, features and reports on athletic teams and individuals; for writing and preparing editorial materials for brochures and programs; for coverage of athletic events on off campus; compiling and maintaining statistical data, and for maintaining press box facilities. Heavy emphasis placed upon producing publications. A bachelor's degree or equivalent is required in a field of journalism, plus one to two years of directly related experience in related sports information work.

AREA REPRESENTATIVE, Allenwood

Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus three years of directly related experience, or a master's degree or equivalent, plus one to two years of directly related experience.

LABORATORY ASSISTANT - ENGINEERING AND TECHNOLOGY DIVISION, Capitol Campus

To provide technical assistance to faculty and students using the laboratory. Includes responsibility for the overall effective day-to-day operations of the chemistry laboratory facility. This is a two-year appointment. A bachelor's degree in chemistry, or equivalent, plus over three months and up to and including 12 months of directly related experience is required.

PROGRAMMER/ANALYST - INTERCOLLEGE RESEARCH PROGRAMS, University Park

Responsible for analysis, design, implementation, and maintenance of systems and procedures necessary for the management accounting function of the Computer Center. Other responsibilities include analysis and presentation of management information, including accounting and other systems data, interface with faculty and staff with regard to problems and requests. Areas: Bachelor's degree in business administration or computer science or equivalent training, plus two to three years of directly related experience which includes analysis and design of computer oriented systems, course credit requirements to satisfy ad PL/L, and business accounting. Potential for pursuance of master's degree is highly desirable.

SYSTEMS ANALYST - OFFICE OF PLANNING AND BUDGET, University Park

Under the direction of the Associate Director, responsibilities include analysis and design of Resource Data Systems to satisfy University Planning and Budgeting information requirements; formulation and evaluation of analytical models using techniques of linear and multiple regression, linear programming, and descriptive statistics; modification and update of existing models; utilize general retrieval languages to satisfy ad hoc information requests (e.g., RPG, GIS, MARK IV, SPSS). A bachelor's degree in physical or social sciences, engineering, business administration, mathematics or computer science - master's degree preferred - plus two to four years of directly related experience including: (1) design of administrative data systems; (2) data retrieval (GIS, EASTVIEW, etc.) and statistical software packages (SPSS, SAS, etc.) or (3) development of analytical models for forecasting, enrollments or faculty flow would be extremely useful.

BUSINESS MANAGER - UNIVERSITY PRESS, University Park

Responsible for the overall planning, development, implementation, and administration of all University Press business and financial operations, including computerized bookkeeping (accounts receivable and accounts payable), accounting, cost, royalty transactions, and budgeting systems and procedures. Supervisory responsibility for accounts billing, accounts receivable, order fulfillment, warehousing, and management reports. Bachelor's degree in accounting or financial management, with two to four years of directly related experience.

APPLICATIONS ANALYST/PROGRAMMER - OFFICE OF PLANNING AND BUDGET, University Park

Responsible to Systems Analyst or Senior Programmer for conducting analyses of data processing and customizing problems, examining detailed requirements to solve problems, formulating logical statements of systems problems, and preparing computer programs to satisfy desired end results as well as final system and program documentation implementation. A bachelor's degree and one to two years of directly related experience in computer programming and analyses is required.

There will be no issue of INTERCOM on Thursday, July 5.

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Penn State Intercom

With this issue, INTERCOM and the PENN STATE REPORTER join forces, following the trend at many comparable large universities. Two considerations influenced the final decision — content and cost.

A careful editorial analysis of the two publications over a three-month period found that 42.6 percent of the material appearing in both publications overlapped. By eliminating duplication in the mailing lists and issuing a single weekly paper, a significant financial savings will be realized. It will increase still further in late July or early August — as soon as paper stock becomes available — when the new INTERCOM will utilize newsprint.

INTERCOM will be mailed regularly to all members of the University community. It will make every effort to represent the interests of its readers, and suggestions will be welcomed.

President suggests ways to save gas

EDITOR'S NOTE: The following message by President John W. Oswald on the gasoline situation was issued to the University community on July 2.

A gasoline shortage presently confronts most parts of Pennsylvania and the country. I am sure we are all sensitive to this problem and are doing what we can to conserve fuel.

In this context, I have four recommendations for your consideration:

1. When traveling to and from the University in your personal car, consider use of car pooling arrangements. Car pooling conserves gasoline and reduces transportation costs. I have asked Vice President Ralph Zilly's office to provide information to members of the faculty and staff to facilitate car pooling.
2. Please review your University-related travel schedule to ensure that each trip is fully justifiable. As an alternative, consider whether University business could be conducted by phone or by other means.
3. When making trips on University business, please consider using public transportation.
4. I have asked Sam Blazer, supervisor of Fleet Operations, to identify instances in which two or more University vehicles are scheduled to travel on the same day to the same destination. His office will suggest the possibility of combined use of University vehicles.

In short, both now and in the foreseeable future, we must be in a position to justify the wise use of University vehicles and be able to point to effective measures we are taking to conserve gasoline.

I appreciate your help and welcome suggestions you might have as to additional steps that could be taken.

Campus Update

The Berks Summer Theatre at the Berks Campus has expanded its season to include not only traditional drama, but opera, jazz and contemporary music as well. The offerings are:

Arsenic and Old Lace, opening July 14; "Opera Highlights," featuring artists from the Berks Grand Opera, July 18; "The Patchwork Players," a mime, music and dance group designed to inspire child participation in theatre, July 19-21; The Buffalo Chipkickers, bluegrass music concert, July 20, 7 and 9 p.m.;

Godspell, the musical based on the Gospel according to Matthew, July 27-29 and Aug. 2-4;

Re-Creation, contemporary vocal music concert, July 31; and "Jazz, Jazz, Jazz," featuring the Erwin Chandler Quartet and area musicians, Aug. 1.

For ticket reservations and further information, call the Theatre at (215) 375-4211.

The Milton S. Hershey Medical Center has been awarded a \$14,867, three-month grant from the Robert Wood Johnson Foundation to explore certain aspects of the Three Mile Island disaster.

E.A. Vastyan, professor and chairman of humanities and principal investigator, said the study will identify and explore the significant factors affecting human and professional behavior patterns which influenced professional performance and institutional functioning, critical events that influenced the health care delivery capabilities of the institution, the decisions and the decision-making processes and the factors which impinged upon them.

Other faculty involved in the study are

Dr. John W. Burnside, chief of the Division of Internal Medicine; Dr. Robert Sevinsky, assistant professor of humanities; and Dr. David Hufford, assistant professor of behavioral science.

"Our ultimate goal," Dr. Vastyan said, "is to analyze the data as a resource for improving the Medical Center's disaster plans and procedures."

A Mont Alto Campus faculty member has received a Federal grant to continue research on Assateague Island.

He is Dr. Ronald R. Keiper, associate professor of zoology, who has studied the feral ponies on the island. This time, however, the subject is not the ponies but the grass they eat.

National Park Service officials are concerned that the ponies are overgrazing the island and threatening the plant root system which protects Assateague from erosion by the sea.

Dr. Keiper has been working on this subject for some time, involving Campus students in his research. His goal is to help the Park Service develop a management system for the ponies that will prevent overgrazing.

Dr. Keiper will be assisted in the project by another Penn State biologist, Dr. Stamatis M. Zervanos, an associate professor at Berks.

A surplus classroom in the new Science/Technology Building at the Mont Alto Campus has become Franklin County's newest art gallery, a showplace for local artists. The gallery featured eight one-person shows during the past academic year, and already is booked solid for 1979-80.

News in Brief

Agging Department Secretary to talk July 17

Gorham L. Black, secretary of Pennsylvania's Department of Aging, will speak at 7:30 p.m. Tuesday, July 17, in the auditorium of Kern Graduate Building. His address, "The New Department of Aging Serves Pennsylvania's Older Adults," is part of the Summer Series in Gerontology sponsored by the Gerontology Center. The public is invited to attend both Mr. Black's talk and the reception for him to be held immediately afterwards.

SERS retirement reports mailed

A copy of the 1978 State Employees' Retirement System annual report was recently mailed to all faculty and staff members who are members of that retirement system. Any employee on leave of absence or lay-off should contact his or her supervisor upon return to employment to secure a copy. Other faculty and staff members who did not receive a copy of the annual report may obtain one by contacting the Employee Benefits Division, Room 133 Willard Building (865-1473).

Fall reserve lists due

Reserve reading lists for Fall term 1979 should be submitted to the Reserve Reading Room, W11 Pattee, on or before July 18 to allow ample time for processing. Lists received after the deadline will be accepted only if the material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in the order received.



What a difference a few warm days make . . .

Bob Veltri photo

Penn Staters

Dr. Sabir Dahir, associate professor of engineering at Capitol Campus, has been selected by the U.S. Council for International Exchange of Scholars and by the University of Jordan for a Fulbright-Hays award. He will spend the 1979-80 academic year as a visiting professor at the University of Jordan in Amman.

Dr. Peirce F. Lewis, professor of geography, was the guest recently of the Department of Art History at Yale University, where he lectured on "Vernacular Architecture as Cultural Evidence." Earlier, he was invited by the history department of the University of South Carolina and the Charleston Neighborhood Association to lecture to members of the Historic Charleston Foundation and the Association on "Preservation, Ecology, and Money." These groups are seeking ways to minimize the impact of tourism on fragile historic neighborhoods in old Charleston.

Dr. Robert H. King, assistant professor of mining engineering, recently presented an invited seminar at the Massachusetts Institute of Technology on "The Feasibility of Automation and Remote Control in Continuous Mining Systems."

Dr. Stuart Patton, Evan Pugh Professor of Agriculture, was a featured speaker at the Gordon Conference on Mammary Gland Biology held at Holden School, Plymouth, N.H., June 18-22. The subject of his talk was "Membranes, Microtubules and Milk Secretion."

Dr. Carol V. Gay, research associate of biochemistry and biophysics, has received a Research Career Development Award from the National Institute of Arthritis, Metabolism and Digestive Diseases of the National Institutes of Health. The five-year award will support, in part, her research program on the normal bone formation process.

Dr. Gay earned the M.S. degree in 1967 and Ph.D. degree in 1972 at the University after receiving the B.A. degree from the University of Maine with high distinction. She served as a research associate in biophysics prior to doing post-doctoral work and in 1975 returned to the University in her current position.

Dr. Robert O. Blanchard, director of the School of Journalism, has been elected to a three-year term on the American Council for Education for Journalism, the official accrediting agency for professional programs in journalism and mass communications in colleges and universities in the United States.

Dr. Barton W. Browning, associate professor of German, recently presented an invited lecture at the Freie Universität Berlin on "Hofische Feste und englische Komödianten in Braunschweig."

Dr. William D. Horrocks Jr., professor of chemistry, delivered a paper at a NATO Advanced Study Institute at Aquafredda in Maratea, Italy. The institute focused on ESR and NMR of paramagnetic species in biological and related systems. Dr. Horrocks also gave an invited talk at the University of Florence, where he discussed "Lanthanide Ion Luminescence: A Biostuctural Probe."

Dr. G.W. Brindley, professor emeritus of mineral sciences, presented a lecture at a conference on "Order and Disorder in Layer Structures of Minerals" at the University of Orleans in France. The conference was organized by the French Society of Mineralogy and Crystallography, of which he was made an honorary member last year.

Dr. S.M. Farouq Ali, professor of petroleum and natural gas engineering, was the author or co-author of three papers presented at the Pan American Petroleum Congress held recently in Mexico.



A Victorian literature scholar and associate provost of Northern Illinois University, Dr. Wendell W. Harris, has been named head of the Department of English.

For the past nine years, Dr. Harris has been associate provost and professor of English at NIU in DeKalb, Ill. He was acting provost in 1978-79.

He will head Penn State's largest single academic department. There are 178 full-time and many part-time English faculty members at the various Penn State campuses.

Following his years of university-wide administration, Dr. Harris says he is looking forward to the challenge of administration at the departmental level.

"One thing that became clear to me in the provost's office is that it is only at the department level that the quality of the curriculum can be maintained and

A paper published by a consultant in the University's Ionosphere Research Laboratory and a student he supervised here 19 years ago was selected as "This Week's Citation Classic" in the May 7 issue of *Current Contents*, a magazine that publishes the content tables of a large number of scientific journals.

A recently-initiated series, "This Week's Citation Classic" selects the most cited scientific papers in a number of fields in order to determine what circumstances led to significant breakthroughs.

The Penn State paper, entitled "The formation of the D region of the ionosphere," was written by Dr. Marcel Nicolet and Dr. Arthur Aikin. It was published originally in the *Journal of Geophysical Research* in 1960.

Since 1961, *Current Contents* notes, the Nicolet-Aikin paper has been cited more than 135 times.

"This paper introduces the three essential sources of the ionization responsible for the formation of the D region of the ionosphere," *Current Contents* says. "Emphasis is placed on the differences between the various radiations. Evidence is presented for the simultaneous action of solar Lyman-Alpha radiation, galactic cosmic rays and solar X-rays

Charles W. Mann, librarian, chief of the Special Collections Department and head of the Rare Books Section of the University Libraries, and professor of English, is marking his 25th year at the University.

He received his B.S. in history and social studies and his M.A. in English from Penn State. His M.L.S. was earned at Rutgers University.

He came to the University Libraries in June 1954 as a library assistant in the Acquisitions Department. He moved to the Rare Books Section in 1958 and was named professional librarian in 1961. A promotion to associate librarian followed in 1966, and he earned the rank of librarian in 1972.

In 1966 he also joined the faculty of the English Department as an assistant professor. He was promoted to associate professor in 1971 and to professor in 1975.

In 1963 he was the recipient of a resolution of commendation from the College of the Liberal Arts. In 1974 he was named winner of the first award for outstanding contribution to the Libraries.

necessary critical changes thoughtfully pursued," he says. "What courses are needed, how they should be taught, what students legitimately expect . . . those are the things that only the department can determine."

Before going to Northern Illinois, Dr. Harris was a member of the faculty of the University of Colorado from 1961 to 1970. He taught both composition and literature.

In 1975-76, he conducted research in England with a National Endowment for the Humanities Fellowship and an American Philosophical Society travel grant. Several years earlier, he had traveled to England on a University of Colorado Faculty Fellowship.

His primary areas of research have been the literature and culture of the "decadent" 1890s in England, and nineteenth-century English short fiction and discursive prose.

Dr. Harris's publications include a book on the poet Arthur Hugh Clough, a forthcoming volume titled *British Short Fiction in the Nineteenth Century*, the chapter on critics in *Victorian Prose: A Guide to Research*, and articles on the thought of Samuel Taylor Coleridge, John Stuart Mill, John Ruskin, and Walter Pater.

He is a former editor of the journal, *English Language Notes*, and was active in the area of curriculum development at both Colorado and Northern Illinois.

A native of Oklahoma, Dr. Harris holds a B.A. in philosophy and an M.A. in English from the University of Oklahoma, and a Ph.D. in English from the University of Wisconsin.

required to account for normal and disturbed conditions."

Current Contents also published a recent letter by Dr. Nicolet, in which he explains the circumstances surrounding the paper's publication:

"This paper was one in a series of ionospheric papers published as a result of my work at the Ionosphere Research Laboratory of The Pennsylvania State University, where basic research on the upper atmosphere was developed in the early fifties under the direction of Art Waynick. It was my good fortune to arrive at the right place at the right time and to meet many people, in particular Art Aikin, who worked at that time with me for his Ph.D. Our paper dealing with the origin of the lower ionosphere came at a time when the field was expanding rapidly under the influence of the 1957 International Geophysical Year and the launching of the first satellites."

Dr. Nicolet, who has been a consultant with the Ionosphere Research Laboratory continuously since 1952, is a professor of external geophysics at Brussels University. Dr. Aikin is now head of the Atmospheric Chemistry Branch at Goddard Space Flight Center.



Well known as a specialist in rare books, Prof. Mann is also a recognized authority on such specialties as bibliography, literature of the British Commonwealth, art history, emblem literature, and the life and works of Ernest Hemingway, John O'Hara, Joseph Priestley and Conrad Richter.

Dr. Richard A. Anthes, professor of meteorology, gave a talk on "Boundary Layers in Numerical Weather Prediction" at the Courant Institute of New York University. He was also recently appointed chairman of the panel on precipitation processes of the National Academy of Sciences' Committee on Atmospheric Sciences. This group of nine scientists is to evaluate the current status of the understanding of precipitation processes.

David B. Otto has been named acting director of the Beaver Campus, effective July 1. He succeeds Dr. Joseph P. Giusti, who is leaving to assume the position of Chancellor at Indiana University-Purdue University at Fort Wayne. Mr. Otto has served as assistant director for continuing education at Beaver since 1968. Before that, he was the assistant district administrator at Behrend College. A cum laude graduate of Slippery Rock State College, he earned his M.S. at Westminster College.

Baseball coach **Chuck Medlar** has been named to the American Association of Collegiate Baseball Coaches Hall of Fame. An assistant professor of physical education, he finished his 17th season as Penn State's baseball coach this spring with a 20-5 record, marking the third time that the Nittany Lions have won 20 games in a regular season. His career record at Penn State is 278-122-6. A 1946 graduate of Penn State, Mr. Medlar also has served as head trainer for all University athletic teams. He was the head trainer for the United States at the 1968 Olympic Games in Mexico City.

Three members of the University faculty were speakers at a two-day technology transfer seminar on coal mine power systems that was given in both Pittsburgh and Denver last month under the sponsorship of the Bureau of Mines of the U.S. Department of the Interior. Dr. L.A. Morley, associate professor of mining engineering, gave two talks, "Batteries and Battery Charging Safety" and "A Practical Approach to Mine Power Transients." Dr. R.H. King, assistant professor of mining engineering, talked about "Trailing Cable Splices — Moisture Exclusion after Flexure." Dr. Frederick C. Trutt, associate professor of electrical engineering, discussed "Arcing Faults in Coal Mine Enclosures."

Dr. Joseph H. McGahan, associate professor of agronomy, extension, has been named recipient of the 1979 Extension-Industry Award presented by the Northeastern Branch of the American Society of Agronomy. The honor is conferred for exceptional contributions to agronomic science, education, and service.

Thomas B. Jurchak, Lackawanna County Extension director, has been named recipient of the 1979 Master Educator Award presented by the Pennsylvania Association of Farmer Cooperatives. The award is presented annually to a member of the Pennsylvania Extension staff "for outstanding teaching and leadership in the areas of general agriculture and cooperative business programs."

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Retirements

Two University faculty members who retired this month from the College of Arts and Architecture have been awarded emeritus status. **Wirth McCoy**, who joined the Penn State faculty in 1964, retired on July 1 as professor emeritus of art. **Philip F. Hallock**, who joined the University faculty in 1946, retired on July 1 with the rank of professor emeritus of architecture.

Dr. Henry R. Fortmann, professor of agronomy and assistant director of the Agricultural Experiment Station, will retire July 31 with the rank of professor emeritus.

Dr. Fortmann, who came to Penn State in 1949 as the forage crops breeder, has been since 1968 regional coordinator for the Agricultural Experiment Stations in the 12 northeastern states. The author or co-author of more than 90 publications, he was responsible for the development and release of two orchardgrass varieties, "Pennlate" and "Pennmead," used widely in the United States and abroad.

He has served on many regional and national committees. In 1974-75, **Dr. Fortmann** was co-chairman of the National Task Force on Dairy-Forage Research and Research Facilities. He also served as co-chairman of a national task force on agricultural energy research and development and is currently co-chairman of a national task force for the Joint Council on Food and Agricultural Science.

For the past ten years, he has served on the National Planning Committee for Agricultural Research. In 1972, he helped establish the National Industry-State Agricultural Research Council.

Dr. Fortmann has lectured widely in the United States, Japan and Indonesia on forage crops and research planning and coordination. He served as consultant in 1973 to the International Rice Research Institute.

A native of Frederic, Wis., **Dr. Fortmann** earned his B.S. from the University of Wisconsin, his M.S. from Oregon State University and his Ph.D. in plant breeding from Cornell University.

He is a Fellow of both the American Society of Agronomy and the American Association for the Advancement of Science.

Dr. Fortmann and his wife, Elizabeth Ann, intend to continue living in State College.

Dr. Paul W. Bixby, professor of education, retired July 1 with the rank of professor emeritus.

Dr. Bixby came to Penn State as an associate professor in 1947 after serving as a teacher, assistant principal and principal in Minnesota, Connecticut and New Jersey schools.

A native of Richview, Minn., he received a B.Ed. from St. Cloud State College, an M.A. at the University of Minnesota, and a D.Ed. at Columbia University.

Since joining the Penn State faculty, **Dr. Bixby** has served in several administrative roles, including department head, assistant dean for continuing education and associate dean for resident instruction in the College of Education. He has also served as coordinator of international programs in the office of the President.

While on leave in 1966, he explored the possibilities for expanding Penn State's international programs and investigated opportunities for faculty-student exchange and study abroad programs, particularly in Southeast Asia and in the Middle East.

During a 1955-56 leave from Penn State, he taught at the University of the Philippines and also traveled and studied in other areas of Asia and Africa.

In 1962, he directed a Peace Corps training project at Penn State which prepared volunteers for service as teacher aides in the Philippines.



Fishburn



Bixby



Fortmann

He has served as a member of advisory committees to the Pennsylvania Department of Education and as a consultant to school systems.

Dr. Bixby is currently visiting professor of education for the 1979-80 academic year at Silliman University in the Philippines.

John F. Fishburn, assistant to the assistant vice president for Housing and Food Service Operations for management planning, retired from the University on July 1 after 33 years of service.

He started at Penn State in 1946 as assistant to the fee assessor in the Department of Accounting. In 1950 he transferred to the Department of Housing, subsequently serving as room assignment officer, the University's first conference and occasions coordinator, head of housing operations, and manager of maintenance operations. In 1971 he was appointed director of Housing Services and in 1976 he assumed his final post.

During his 29-year tenure with Housing and Food Services, he saw Penn State's residence hall capacity increase from 5,000 spaces to nearly 13,000.

Mr. Fishburn also served on the University's Disaster Council during the fifties and sixties. For many years he represented Housing and Food Services on the University Safety Committee and was charter member of the University Safety Council.

A State College native, **Mr. Fishburn** graduated from Penn State in 1942 and taught vocational agriculture and general science at Montoursville High School for two years prior to joining the Navy during World War II. He and his wife, Carol, plan to continue their residency in State College.

August E. Branding, associate professor of dairy science, retired June 30.

Mr. Branding has been active in numerous research projects within the Department of Dairy and Animal Science since coming to the University as a graduate assistant in 1961. Production of methane gas from animal wastes has been one of his major studies. Others have been milking center waste management, including recycling of water for cleaning purposes and separation of solid and liquid wastes; and studies of energy recovery systems in the dairy farm operation.

Mr. Branding has been active in the American Dairy Science Association.

A native of Allegheny County, **Mr. Branding** earned his undergraduate degree in dairy husbandry and graduate degree in dairy science at Penn State.

John B. Menoher retired June 30 as assistant head of Independent Study by Correspondence after nearly 28 years of service to the University. He started in July 1951 as administrative head of the McKeesport Campus and from 1954-57 was administrative head at the Harrisburg-York Center. He has been at University Park since 1957, assuming his present role in 1968.

Mr. Menoher has a B.S. in health education from Slippery Rock and an M.Ed. from the University of Pittsburgh.

He and his wife, Janet, have bought a home on the East Florida Coast for their retirement.

Maynard Holtsapple, a herds manager in Agriculture, retired July 1. He began working at the University on July 1, 1953.

Irene Michael began her service with the University in 1971. On June 15 she retired from her position as residence hall worker at Hazleton.

Madeline Royer, records clerk in Admissions, Records and Scheduling, will retire on July 18. On December 1, 1957 she began her University employment.

Mildred V. Russell retired from the University on July 1 after serving as instructor in English at New Kensington. She began her University employment on September 1, 1968.

Promotions

Ann M. Bissell to clerk, documents A in Library.

Ricky Lee Brandt to maintenance worker, landscape, at Berks.

Ronald E. Bricker to laundry supervisor at Hershey.

V. Carol Buyan to deputy security officer in ARL.

Alvin L. Confer to heating and ventilating technician in Physical Plant.

Barry E. Donbaugh to manager, employee relations in Personnel Administration.

Michael B. Fitzgerald to maintenance worker in Physical Plant.

Suzanne M. Flaig to manager, salary administration & classification in Personnel Administration.

John F. Gingery to truck driver — warehouse worker in Applied Research Lab.

Glendall P. Glunt to mail carrier in Business Services.

Margo C. Groff to administrative assistant in Liberal Arts.

Nicholas Grossman to mail carrier in Business Services.

Shirley M. Gryczuk to personnel assistant in Physical Plant.

Ann Louise Hagan to secretary B in UDIS.

Carolyn L. Harbolls to secretary B in President's Office.

Constance L. Kramer to clinical laboratory assistant at Hershey.

Mary E. Kustenborder to clerk, typist A in Personnel Administration.

Carol L. Lingle to senior manuscript typist at Hershey.

Sharon A. Nyman to secretary A in Health, Physical Education & Recreation.

Debra A. Putt to secretary B in Liberal Arts.

William S. Rose to management trainee in Physical Plant.

Rebecca S. Ross to customer service clerk A in Penn State Bookstore.

Geraldine P. Sakmar to clerk, patient counselling at Hershey.

Lynn M. Schaub to supervisor, family housing apartments in Housing & Food Services.

Michele Shawver to technical secretary C in Applied Research Laboratory.

Patricia A. Snyder to secretary C in Engineering.

Sharon Stover to statistical clerk in President's Office.

Mary Jo Thal to secretary B in Personnel Administration.

Raymond P. Tutko to group leader — community services officer at McKeesport.

Ten University employees recently completed a course in Report Writing — Preparation and Organization.

They were:

Kenneth Boras, junior planning analyst, Office of Budget & Planning; **Howard Finney**, communication services specialist, Continuing Education; **Debra Lehrer**, editorial assistant, Continuing Education; **David Martin**, manager trainee, Office of Physical Plant; **Mary Alice Miller**, programmer analyst, Office of Budget & Planning.

Fred McMullin, procedures specialist, Comptroller's Office; **Ann Shields**, production trainee, Program Development, Continuing Education; **Harold Sones**, coordinator/inspector, Office of Physical Plant; **Jacqueline Stirn**, application analyst/programmer, Office of Budget & Planning; and **Lee Wingard**, coordinator/inspector, Office of Physical Plant.

Obituary

Jeffrey L. McGarvey, an animal care technician at the Hershey Medical Center, died July 1. He was 31 years old and had been employed at Hershey since July 2, 1976.

From the Press

Soviet Historians and the Study of Russian Imperialism, by George M. Enteen, Tatiana Gorn and Cheryl Kern. 60 pages. \$3. (paperback).

Dr. George M. Enteen, associate professor of history at Penn State, and two colleagues examine the style and some of the findings of Soviet historical writing in this book, number 45 in The Pennsylvania State University Studies Series. The co-authors are Tatiana Gorn, a librarian at McCall University, and Cheryl Kern, a former graduate student at Penn State.

Of particular interest is the Soviet historian's approach to the debate about Russian imperialism, of which the chief point of contention was the extent to which foreign capital had influenced Russian economic development. Studies of Russian imperialism began to appear during the Civil War, but it was during the New Economic Policy years, 1921 to 1928, that schools of thought began to form and a vigorous debate flourished.

Five major stages in the Soviet study of Russian imperialism are outlined, all of which parallel major political developments. In addition, the book is an attempt to clarify the concept of imperialism, a notion that continues to bedevil both politics and scholarship. For the English-speaking reader, the authors include their own translation of the entry on Russian imperialism in the *Soviet Historical Encyclopedia*, one of the primary sources employed in the study.

Prehistoric Slavic Contractions, by Jiri Marvan, translated by Wilson Gray. 188 pages. \$15.

Dr. Marvan outlines the origin and process of contraction as it took place in the proto-dialects of the future Czech, Sorbian, Polish, Slovak, Slovenian and Serbo-Croatian languages in about the ninth and eleventh centuries.

Contrary to the traditional attitude toward available data, **Prof. Marvan** does not hold that the discriminative treatment of contraction by different proto-dialects is a handicap but rather that it is an efficient and safe means of reconstructing territorial, chronological and structural stratification. This factor gives dimension to contraction as a process consisting of several consecutive stages.

Dr. Marvan is the author of 50 studies in Slavic and Baltic linguistics, including *Modern Lithuanian Declension*. He is a professor of Slavic languages at Monash University, Australia. Wilson Gray is a doctoral candidate in linguistics at MIT.

University Park Calendar

July 12-22

Special Events

Thursday, July 12

13th Annual Central Pennsylvania Festival of the Arts, Sidewalk Sales, 9 a.m. to 9 p.m., Campus Mall and Downtown.

CPFA, Festival Tent. Jazz Composers, 6 p.m.; Little German Band, 7 p.m.; Poetic Muse, 8 p.m.; Hat Trick, 9 p.m.

CPFA, Films. With Babies and Banners, 7 p.m.; Black Girl, 8 p.m.; HUB Assembly Hall. True Grit, 9:30 p.m.; HUB Lawn.

Festival Theatre, *The Theatrical Opera*, 8 p.m.; The Playhouse.

Spectrum, Judith Raskin, soprano, 8 p.m.; Schwab.

Friday, July 13

Preregistration deadline for Fall Term.

Drop deadline for 8 week term.

Course repeat deadline for 8 week term.

Board of Trustees meeting, New Kensington.

Also July 14

CPFA, Sidewalk Sales, 9 a.m.-9 p.m., Campus Mall and Downtown.

CPFA, Old Main Lawn. Physical Fitness, 10 a.m.; Ubu the Clown, 11 a.m.; The Musawwir Gymnastic Dance Ensemble, 3 p.m.

CPFA, Festival Tent. Melodrama, 10:30 a.m.; Bob Ortiz, folk music, noon; Steve Doll, guitar, 1 p.m.; Enjoy Yourself Chorus, 2 p.m.; Avator, rock and jazz, 4 p.m.; The Sunday Afternoon Pickers, 5 p.m.; Jazz

Guitars, 6:30 p.m.; Singing Couples, 8 p.m.; The Big Band Sound, 9 p.m.

UnCommon Friday Film Classics, *The Man Who Knew Too Much*, noon, Room 112 Kern. Free

CPFA, Films. With Babies and Banners, 2 p.m.; *Film as Art '78*, 3 p.m.; *Joyce at 34*, 7 p.m.; *Gilfildens*, 7:30 p.m.; HUB Assembly Hall. *The Thief of Baghdad*, 9:30 p.m.; HUB Lawn.

CPFA, Interludia Dancers, 5 p.m.; Old Main Steps.

CPFA, Schwab Auditorium. Rockview Prison Chorus, 6:30 p.m.; Dance Theatre of Central Pa., 8 p.m.

France-Cinema, Francois Truffaut, *The Man Who Loved Women*, 7 and 9 p.m.; Room 112 Kern. Also July 15.

CPFA, State College Symphony Orchestra, 7 p.m.; Music Bldg. Rectal Hall.

Festival Theatre, *The Theatrical Opera*, 8 p.m.; The Playhouse.

Saturday, July 14

CPFA, Sidewalk Sales, 9 a.m.-9 p.m., Campus Mall and Downtown.

CPFA, Festival Tent. Suzanne Murphy and David Hudson, 10 a.m.; Fiddlers' Contest, noon, The 4 He's and a She, 6 p.m.; Larry Carlin, country music, 7:30 p.m.; Exotic

Dancing by Yasmin, 8:30 p.m.; The Rubyfruit Begonia, 9 p.m.

CPFA, Old Main Lawn. Physical Fitness for Children, 10 a.m.; Art in Sport, gymnastics, 11 a.m. and 5 p.m.

CPFA, Chinn Saw Wood Sculpture, 11:30 a.m.; HUB Lawn.

CPFA, Films. *Woody Allen: An American Comedy*, 2 p.m.; *How Much Wood Would a Woodchuck Chuck?* 2:30 p.m.; *We're Not the Jet Set*, 3:30 p.m.; *The Dove*, 7 p.m.; *We All Loved Each Other So Much*, 7:30 p.m.; HUB Assembly Hall. *Sounder*, 9:30 p.m.; HUB Lawn.

CPFA, Schwab Auditorium. Dance Theatre of Central Pa., 2 p.m.; "Hansel and Gretel" (musical play), 4 p.m.; Donna Gibbons Sommers Mime Theatre, 6 p.m.

France-Cinema, Lina Wertmuller, *Sweet Away*, 7 and 9 p.m.; Room 112 Kern. Also July 16.

Spectrum, John Hartford, bluegrass music, also The Buffalo Chipkickers, 7 and 9:15 p.m.; Eisenhower Auditorium.

Festival Theatre, *The Theatrical Opera*, 8 p.m.; The Playhouse.

CPFA, The Huntington Trio, 8 p.m.; Music Bldg. Rectal Hall.

Explanazanza free film, *Psycho*, dusk, Fisher Plaza.

Sunday, July 15

Shower's Creek Nature Center, Bike Tour to Local Caves, through July 19. By registration only, 8th-10th grade students encouraged to participate. For information, 865-1851 or 238-5872.

CPFA, Sidewalk Sales, noon-9 p.m., Campus Mall and Downtown.

CPFA, Old Main Steps. The Municipal Band, 12:30 p.m.; The Dance Band, 6:30 p.m.

CPFA, Festival Tent. Poetic Muse, 2 p.m.; Altoona Mannerchor, 3 p.m.; Stryder Band, 5 p.m.; Stevie and the Six Packs, 7 p.m.

CPFA, Films. *Film as Art*, 2 p.m.; *East of Eden*, 3:30 p.m.; *Roseland*, 7 p.m.; HUB Assembly Hall. *Yellow Submarine*, 9:30 p.m.; HUB Lawn.

Festival Theatre, *The Theatrical Opera*, 2 p.m. and 7:30 p.m.; The Playhouse.

CPFA, Santiago Rodriguez, piano, and Peter Zazofsky, violin, 3 p.m.; Music Bldg. Rectal Hall.

CPFA, The Opera Society of Central Pa., 7:30 p.m.



Fiber hanging is part of crafts exhibit at Museum of Art.

p.m., Schwab

Monday, July 16

HUB Craft Center 2nd summer session classes begin, Room 312 HUB. Phone 863-0611 for information.

UnCommon Films and by the Women, *Margaret Mead*, noon, Room 112 Kern.

Tuesday, July 17

Fuel Science Seminar, 11 a.m., Room 301 Steidle. Harry Marsh, University of Newcastle, U.K., on "The Carbonization Process - Part I."

Explanazanza free concert, Rustical Quality String Band, 7:30 p.m.; Fisher Plaza.

Gerontology Center lecture, 7:30 p.m., Room 112 Kern. Corham L. Black, Pa. Dept. of Aging, on "The New Department of Aging Serves Pennsylvania's Older Adults."

Festival Theatre, *The Theatrical Opera*, 8 p.m.; The Playhouse. Also July 18-22. July 22 at 2 p.m. and 7:30 p.m.

Arts Roundup

'Lieder' recital tonight

Judith Raskin, soprano of opera, oratorio and concert stage, will present a recital at 8 p.m. this evening (Thursday) in Schwab Auditorium. Tickets will be available at the door and may also be reserved by calling 863-0255.

Ms. Raskin is considered by many critics to be one of America's most accomplished singers of *Lieder*, the romantic German art songs.

The winner of a Grammy Award for her recording of the role of Despinia in Mozart's opera *Così Fan Tutte*, Ms. Raskin has been nominated twice for awards by the National Academy of Recording Arts and Sciences for her solo record albums.

Tonight's recital - a featured event of Nittany Mountain Summer 1979 and the 13th Annual Central Pennsylvania Festival of the Arts - will include works by Schubert, Mendelssohn, Debussy and Mahler.

Museum houses crafts show

A national crafts show, with works from craftspeople in 21 states, is being housed at the Museum of Art.

The CPFA "Contemporary Juried Crafts" exhibition, a perennial favorite of Festival-goers, this year offers 72 pieces by 59 craftspeople working in ceramics, fiber, glass, metal and wood.

Mary Ann Scheer, a designer and goldsmith and a teacher at the Parsons School of Design, studied slides of the 400 entries that were submitted for the show and selected the pieces for the exhibition. Sam Scheer, former president of the American Crafts Council, has chosen the prize winners.

Country antiques displayed

An exhibition of rare country antiques from the heartland of Pennsylvania is on view at the Museum of Art through Sept. 23.

"Heritage Sampler: An Introduction to the Domestic Arts and Crafts of Central Pennsylvania 1750-1900" features a wide variety of country antiques. All the pieces are from private collections, and of the 103 offered for viewing, only two have been on public exhibition before.

"When people talk or write about Pennsylvania antiques, they tend to think of the southeastern part of the State around Philadelphia," says Dr. Roy C. Buck, professor of sociology and social science, who has helped organize the show and is one of the collectors represented in it. "In fact, some of the country pieces from central Pennsylvania are better, both structurally and aesthetically."

Dr. Buck selected the show with Richard Jones, a businessman from Milliflinburg and fellow collector of Pennsylvania antiques. One of the collections on display is that of Lester and Mary Zettle, Centre County antique dealers. Mr. Buck credits the Zettles with playing a key role in the preservation and appreciation of central Pennsylvania country antiques.

'Boy Meets Girl' at Pavilion

Festival Theatre completes its 22nd consecutive professional season at University Park with a production of the comedy, *Boy Meets Girl*, opening July 19 and continuing through July 29 at the Pavilion.

Written by Samuel and Bella Spewack, the play was first presented on Broadway in 1935 and was successfully revived Off-Broadway in 1976. Set in a Hollywood film studio in the mid-thirties, the play follows the shenanigans of two script writers who deviously seek to make a fortune on a studio waitress and her baby.

Hartford tickets on sale

John Hartford, a three-time Grammy Award winner and author of the popular song "Gentle On My Mind," will perform two bluegrass music concerts Saturday, July 14, at the University.

The concerts, at 7 p.m. and 9:15 p.m. in Eisenhower Auditorium, are part of Nittany Mountain Summer Spectrum, the University's sixth annual celebration of the arts.

Tickets for both Hartford concerts are on sale at the Eisenhower Auditorium box office, open Monday through Friday from 10 a.m. to 6 p.m. and on the day of performance beginning at 1 p.m. Tickets also will be available at the door. Telephone orders can be made by calling 863-0255 during box office hours with Master Charge or VISA card numbers and expiration dates.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Wednesday, July 18

Deadline for reserve reading lists for Fall Term 1979, Room W11 Pattee

Phi Delta Kappa Lecture, 11 a.m., Room 112 Kern. James A. Ream, executive director, Pa. Assn. of Colleges and Universities, on "Liberalists: How They Work, and an Estimate of Their Effects."

Thursday, July 19

Festival Theatre, Bella and Samuel Spewack, *Boy Meets Girl*, 8 p.m.; The Pavilion Theatre. Also July 20-22, 24-29, July 22 at 2 p.m. and 7:30 p.m.

Friday, July 20

UnCommon Friday Film Classics, *His Girl Friday*, noon, Room 112 Kern. Free. Commonsplace lecture, *Lenin*, 7 and 9 p.m., Room 112 Kern. Also July 22.

Saturday, July 21

France-Cinema, Ingmar Bergman, *Scenes from a Marriage*, 6:30 and 9:15 p.m., Room 112 Kern. Also July 23.

Explanazanza free film, *Modern Times*, dusk, Fisher Plaza.

Exhibits

Chambers Gallery: CPFA, Children's Art, through July 22.

HUB Gallery: Village Crafts, quilts, through July 15; "With Needle and Thread," through July 22. CPFA, Juried Prints and Drawings

Kern Commons Gallery: Art Alliance Juried Members' Show, through July 21. Ester Del Rosso, lithographs, opens July 21. David Armstrong, paintings

Museum of Art: open daily noon-5 p.m. except Mondays. Special hours July 12, 13, 14, noon-8 p.m. with tours daily at 1:30 p.m. Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill.

CPFA, Juried Contemporary Crafts and Heritage Sampler - Domestic Arts and Crafts of Central Pa. 1970-1900.

Pattee Galleries: Veronica Ann Taylor, paintings, pastels and water colors, through July 16; Donald LaJuenesse and Craig Edgren, ceramics, opens July 17. East Corridor Gallery: Works by members of the Nittany Valley Chapter of the Embroiders' Guild of America and Joe Sweeney, pastels. Lending Services Lobby.

Zoller Gallery: CPFA, Juried Photo Exhibition.

The following vacancies for positions classified as staff except or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 19, 1979. DO NOT CONTACT THE SCHOOL THAT HAS THE VACANCY.

ASSISTANT EXECUTIVE DIRECTOR, PENNSYLVANIA SCHOOL STUDY COUNCIL - COLLEGE OF EDUCATION, University Park. Assists the Executive Director in planning, coordinating and implementing conferences, workshops and other meetings and projects for about 135 Study Council member school districts.

Administrators the Office of Management Information (OMNI) for project planning, financial and personnel data collection, data analysis, and preparation of reports. Earned doctorate (or near) in educational administration or related field; experience in teaching or administration in the public schools or similar agency; basic knowledge of Pennsylvania school law, educational statistics, and basic computer utilization.

Need related experience in educational program planning and high degree of interpersonal and communications skill. Twelve-month position, one year fixed term, with possibility of renewal up to a total of three years.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC AFFAIRS, Fayette Campus. Responsible for the day-to-day operation of the Resident Instruction Office including faculty recruitment and evaluation, faculty development, resolving problems in regard to course presentation, etc., encouraging new approaches to course presentation, and assisting in the development of new courses and programs. Doctorate or equivalent with one to two years directly related experience in teaching and administrative duties.

Staff Vacancies

PENN STATE LIBRARY
107 PATTEE ROOM

Penn State Intercom

From the Trustee Docket

Budget adopted

A maintenance and operating budget for 1979-80 was adopted by the Board of Trustees at its July 13-14 meeting, which was held at the University's New Kensington Campus.

The 1979-80 budget is based on the State appropriation for Penn State as contained in House Bill 1267 passed on a 49-0 vote by the Senate July 10. The appropriation bill, which was passed by the House May 30, is expected to be signed by the Governor shortly. If approved in the current form, the bill would provide an appropriation increase of \$8.1 million or approximately 7.3 percent.

"Faced with the gap of some \$10 million between our appropriation request and the amount now included in House Bill 1267, the University has achieved a balanced budget while holding the necessary tuition increases to a minimum," President Oswald told the Trustees. "The proposed budget leaves out many needed items, but attempts to provide for the most critical needs."

The Penn State budget calls for permanent internal cutbacks in 1979-80 of more than \$2.5 million. "This will bring to more than \$21.2 million the amount Penn State has pulled back from its operating budgets since 1971-72," Dr. Oswald noted. "Of this amount, approximately 30 percent has been withdrawn from academic programs, and 70 percent from academic support and non-academic functions of the University."

The new Penn State budget provides for salary adjustments within the federal wage and price guidelines. Also covered are increased costs of staff benefits, higher fuel and utilities costs, and higher costs of other supplies and services.

The general funds portion of the total operating budget approved by the Board supports the University's basic programs of teaching, research and public service. It is funded primarily by State appropriations and from student tuition income.

Dr. Oswald emphasized that the tuition increases approved by the Board "had been shaved as much as possible by cutting proposed expenditures and making the \$2.5 million in internal cutbacks. The average 8.5 percent increase in tuition is far less than we had feared earlier and generally is in line with or below the increases at our sister universities." The additional tuition revenue will provide considerably less than half of the amount needed to fill the gap between the State appropriation request and the final legislative action.

When the tuition increase is added to the increase in room and board charges approved by the Penn State Board in March, the combined cost of tuition, room and board will increase by 7.3 percent in 1979-80.

Dr. Oswald also noted that increases in student aid funds at the State and federal levels will help offset increases in the costs of attending Penn State and other universities and colleges.

Effective with the Fall Term at the University Park Campus, undergraduate students who are Pennsylvania residents will pay \$117 more a year for tuition, an increase on an annual basis from \$1,368 to \$1,485. At the Behrend College and the other Penn State Campuses the increase

will be \$102 per year. Recognizing the higher upper division and graduate program costs at Capitol Campus, tuition will be increased there by \$207. The higher increase at Capitol Campus will move rates at Capitol closer to those at University Park.

The tuition increase for out-of-state undergraduate students at all locations will be \$234 per year.

Penn State graduate students from Pennsylvania will pay \$129 more at the University Park Campus and \$207 more at all other locations. Graduate students who are not residents of Pennsylvania will pay \$318 more per year at all locations.

Annual 1979-80 tuition for undergraduate students will be \$1,485 at University Park; \$1,440 at Capitol Campus; and \$1,281 at Behrend College and the other Penn State Campuses. Tuition for non-resident undergraduates will be \$2,982 at all campuses.

The rates for in-state graduate students will be \$1,581 at University Park and \$1,440 at other locations. For non-resident graduate students, tuition will be \$3,150 at all campuses.

Because of the lack of any increase in State support for medical education and the necessity of achieving a balanced budget in the College of Medicine at Hershey, the Trustees approved a tuition increase of 25 percent for medical students at the Milton S. Hershhey Medical Center.

For Pennsylvania residents tuition will increase by \$1,110. The total annual cost will be \$5,550. For non-residents, the increase will be \$1,734, and the annual rate will be \$8,670.

Graduate students at the Medical Center will pay the same increased rates as graduate students at University Park.

No State funds nor any funds generated by tuition are used for operations of the hospital, which is fully self-supporting. Of the total Medical Center operating budget, including the hospital, only four percent comes from State funds.

The \$218,338,000 general funds budget excludes self-supporting activities of the University, such as the operation of residence halls, the teaching hospital at the Milton S. Hershhey Medical Center, intercollegiate athletics, book stores, and other income producing auxiliary enterprises. Also excluded are approximately \$50 million in restricted funds that the University receives in the form of federal and State contracts and private grants and gifts.

The total operating budget for 1979-80, including the general funds portion, as well as all auxiliary enterprises and estimated federal research grants and other funds will be \$410,891,000, an increase of some 6.7 percent over last year's figure of \$385,000,000. Of this total some 29 percent will come from State appropriations.

Ikenberry hailed

The following resolution was adopted by the Trustees:

Be it resolved that, since the final Board of Trustees meeting at which Dr. Stanley Ikenberry will be present in his official capacity as senior vice president for administration of The Pennsylvania State University, that whereas Dr. Ikenberry has provided magnificent and unparalleled leadership in the duties and responsibilities

of his administrative areas and whereas in his professional performance he has also been an esteemed and delightful colleague and whereas his wife, Judy, has added a further dimension of excellence and joy to the Ikenberry contribution and participation in Penn State life and whereas the University of Illinois has now in its wisdom and great good fortune appointed Dr. Ikenberry to its presidency the Board of Trustees of the Penn State University therefore and hereby extends to Stanley and Judy Ikenberry with deep appreciation its very best wishes for a successful, happy and bountiful future.

Two buildings named at McKeesport Campus

The Trustees authorized the naming of two buildings at the McKeesport Campus in honor of campus benefactors.

The Library Building will be named the J. Clarence Kelly Library in memory of the late McKeesport surgeon who served on the Campus Advisory Board from its inception in 1955 until his death in 1970.

The Multi-Purpose Building will be named the John M. Wunderlich Multi-Purpose Building in recognition of the retired building contractor who has been a contributing member of the Campus Advisory Board since 1955. He is currently vice president of the board and chairman of its physical plant committee.

Railway Engineering associate degree approved

A new 72-credit program leading to an associate degree in Railway Engineering Technology will be offered Fall Term, 1979.

"Nearly all industries in the United States depend directly or indirectly on our railway system, which is of special importance to the economy of Pennsylvania," pointed out Dr. Robert G. Quinn, dean of academic instruction for the Commonwealth Campuses, in a report to the Board of Trustees. "Presently, there is a critical shortage of trained technical personnel."

The new two-year major is designed to help alleviate the shortage by providing graduates trained in the areas of track maintenance, operation and control. The new major, to be part of the curriculum of the College of Engineering, will be offered at a campus or campuses where resources, including faculty, space and equipment, are available without additional cost.

Polymer science graduate work to be offered in Fall

Graduate programs in polymer science leading to the master's and doctoral degrees will be offered at the University, beginning with the Fall Term.

Since 1972, Penn State has offered a baccalaureate degree in polymer science — the study of large molecules which are the major constituents of plastics, natural and synthetic fibers, adhesives, packaging, paints, composites and biomaterials.

Recently, 10 to 12 graduate students have been studying polymer science under the solid state program. This fall, there will be five full-time faculty members in polymer science, and enrollment is expected to increase to 20 in the near future.

The new degrees will require no new funds or facilities since faculty are already in place, and the change constitutes only administrative rearrangement.

News in Brief

Computerized searching service now available

The Documents Section of the Libraries is opening a Government Information Search Service for computerized searching of many government related information sources. Among the data bases available for searching, on a fee basis, are: the *Federal Register*, the *Congressional Record*, *Commerce Business Daily*, U.S. patent literature, grants, the *American Statistics Index*, and the *Congressional Information Service*. The bases generated by the U.S. Government Printing Office and the National Technical Information Service are also available.

Library books may be renewed by phone

Library borrowers wishing to renew books by telephone may do so by calling (614) 863-2174 between 8 a.m. and noon, 1-7 p.m., and 8 p.m. to midnight. This procedure, which is effective immediately, applies to Pattee, and the Earth and Mineral Sciences, Engineering, Physical Sciences, and Mathematics Libraries.

Study Council moves

The office of the Pennsylvania School Study Council has been moved from Room 327 Cedar Building to Room 244 Chambers Building. The telephone number will remain the same — (614) 865-0321.

Professor seeks families for learning study project

Edith Nottelmann, assistant professor of human development, is seeking parents in the State College area with children in grades one through five for a study of children's learning.

The project will examine how children solve problems and how they go about learning new things, both on their own and in consultation with their parents. Dr. Nottelmann is particularly interested in finding out how learning strategies may differ across the elementary school grades.

Anyone interested in participating in the project should call Dr. Nottelmann, Division of Individual and Family Studies, at 865-1447.

Talk on Russia to be presented July 25

Lorraine Kapitanioff, assistant professor of Russian, will present an illustrated lecture on the Soviet Union at 8 p.m. Wednesday, July 25, in the Museum of Art. Prof. Kapitanioff is accompanying a tour to the U.S.S.R., sponsored by the Friends of the Museum and the Brandywine River Museum, Oct. 5-15.

Four awards set up

Four new award funds have been established at the University.

A scholarship fund to provide cash awards to outstanding students in the College of Arts and Architecture honors the memory of a St. Marys Pa., couple.

The \$10,000 initial principal for the "Reuben and Gladys Lumbic Scholarship Fund" has come to Penn State through the gift of an anonymous

(Continued on page 4)

Penn Staters



Dr. Harlan E. Hoffa, professor of art education, has been named acting director of the University's new School of Visual Arts. He served as head of the Division of Art and Music Education until the dissolution of that unit, a move that paved the way for the establishment of Schools of Music and Visual Arts.

Dr. Hoffa joined the Penn State faculty in 1970 as professor and head of the Department of Art Education. In 1976 he was named Division head.

Prior to appointment to Penn State, Dr. Hoffa was chairman of the art education program at Indiana University. He also taught at Boston University, the State University College at Buffalo and Ohio State University.

Dr. Hoffa received his doctorate in art education from Penn State under the direction of the late Viktor Lowenfeld. His master's and bachelor's degrees were earned at Wayne State University in Detroit, which honored him with a Fine Arts Achievement Award in 1977.

From 1971 until 1973 Dr. Hoffa was president of the National Art Education Association, and in 1972 he was awarded a citation for "Distinguished Contributions to the Advancement of Education" from the Pennsylvania Department of Education.

Dr. Joseph Lambert has been appointed assistant dean for Commonwealth Campuses. Dr. Norman Freed has been promoted to associate dean for resident instruction; and Dr. Leonard Zimmerman has been named associate dean for research, all in the College of Science. The appointments were effective July 1.

Dr. Lambert, an associate professor of mathematics at Berks Campus, succeeds retired dean Alvin R. Grove.

Dr. Lambert joined the faculty in 1970 as an assistant professor at the York Campus. He transferred to Berks in 1975 and was promoted to associate professor in 1976.

A native of Philadelphia, he earned the B.S. degree at Drexel University, the M.S. at Cornell University and the Ph.D. at Purdue University. He is the author of numerous scholarly articles and is also a referee for the *Journal of Approximation Theory* and a reviewer for *Mathematical Reviews*.

He was chairman of the Five-Year Planning Committee for the York Campus and was co-investigator of marketing research techniques in Commonwealth Campus programming for the entire University.

Dr. Elizabeth M. Ray, professor of home economics education, has been appointed the new head of the Division of Occupational and Vocational Studies in the College of Education.

Dr. Ray joined the faculty in 1959 as an associate professor in the College of Home Economics. Since that time she has served as an associate professor in the College of Education and as a professor of home economics education.

She has participated in numerous national level research activities and has some 35 publications. She is a technical

reviewer for the *Journal of Home Economics Research*, a consulting editor for the *American Educational Research Journal*, and a member of the editorial board of the *American Vocational Education Research Association Journal*. Dr. Ray edited the first yearbook for teacher educators in home economics, *Mission and Purposes of Home Economics Teaching Education*. It will be published next year.

Her other current projects include the development of performance tests for home economics subject matter components of the competency-based teacher education curriculum, development of a brochure to publicize consumer and homemaking curricula in public schools, and an assessment of potential for cooperative efforts in the delivery of vocational education personnel development activities.

Dr. Tom Yawkey, associate professor of education, was an invited speaker at the Interdisciplinary Symposium on the Young Child in Appalachia held June 13-16 at Morehead State University. His topic was research in educative play and role taking in early childhood education.

Dr. Hans Panofsky, Evan Pugh Professor of Atmospheric Sciences, recently gave a series of four lectures on turbulence and diffusion at the Naval Postgraduate School, Monterey, Calif. He also lectured on wind fluctuations over complex terranes at the University of Utah, Utah State University and the University of Arizona.

Dr. Harvey R. Gilbert, associate professor of speech communication and speech science, presented an invited lecture entitled "Some Physiological and Acoustical Characteristics of Hearing Impaired Speech" in May at the Department of Speech and Hearing Sciences, City University of New York Graduate Center.

Dr. Robert W. Christina, associate professor of physical education, was one of 72 scholars invited to participate in the NATO Advanced Study Institute on Motor Learning and Control, held in Abbaye de Senanque, France, from June 10-20.

Bookshelf

Dr. Richard D. Schein, professor of plant pathology, is the co-author of a new text, *Epidemiology and Plant Disease Management*, published by Oxford University Press, N.Y. The other author is Jan C. Zadoks of the Agricultural University, Wageningen, The Netherlands.

An introduction to a rapidly emerging area of plant pathology, the text discusses the ecological aspect of plant pathology — epidemiology — and its practical implications — plant disease management. Epidemiology studies phenomena at three levels of biological organization — the individual, the population and the ecosystem. The authors devote a section of the book to each level.

The concluding chapter offers the authors' own reflections and speculations. Present-day situations are seen in the perspective of an historical development. The impact of ecology on epidemiology is indicated.

The book is designed to serve as a primer for students with only a basic knowledge of plant pathology, as well as a basic guide and reference for plant pathologists, ecologists, and agri-business specialists interested in crop management.

Dr. Frank Swetz, professor of mathematics and education at Capitol Campus, is the author of *Socialist Mathematics Education*, published by the Burgundy Press, Southampton, Pa.

The work surveys the history, objectives and methodologies of mathematical education in seven socialist countries — the USSR, Sweden, Tanzania, Hungary, the German Democratic Republic, the Peoples Republic of China and Yugoslavia — and contains a special section on

Mathematical Olympiads in socialist countries.

Dr. Anton Glaser, professor of mathematics at Ogontz, contributed a chapter on mathematics education in the German Democratic Republic.

The text is designed for courses in international mathematics education and comparative education, and may also be used as a reference for curriculum specialists.

Dr. Anthony J. Curley, professor of finance, and **Dr. Robert M. Bear**, associate professor of finance, have co-authored a college-level text entitled *Investment Analysis and Management*.

The 604-page book, published by Harper & Row, is designed for undergraduate or graduate courses in professional investment. It integrates security analysis and portfolio management by recognizing that investment management is an on-going process which includes both activities.

All aspects of the investment manager's job are discussed, giving students an operational understanding of investments that may be used in later practice.

An instructor's manual accompanies the text. One of its features is a computer program which can be used as a term project to study a particular U.S. corporation or to demonstrate the sensitivity of stock returns to variations in key valuation elements.

Two faculty members in the University's Department of Spanish, Italian and Portuguese are the co-authors of a new intermediate-level review grammar in Spanish. They are **Dr. John B. Dalbor**, professor of Spanish, and **Dr. H. Tracey Sturcken**, professor of Romance languages.

The grammar, *Spanish in Review*, has been published by John Wiley and Sons. It is accompanied by a student workbook and a set of taped materials for use in the language laboratory. Also included is a comprehensive treatment of Spanish pronunciation.

Dr. Ronald R. Keiper, associate professor of zoology at Mont Alto, is the co-author of a book, *The Island Ponies*, based on his research into the behavior of the wild ponies on Assateague Island.

Dr. Keiper has been studying the ponies for many years, with funding provided by Federal agencies and the University. The book is illustrated with a number of photographs, many of them taken by Dr. Keiper.

The idea for the book came from its co-author, free-lance writer and former *Science Digest* editor, Barbara Ford. It was published by William Morrow and Company, New York.

Dr. Keiper came to Mont Alto in 1968 after having completed his graduate degrees at the University of Massachusetts. His excellence in teaching has won him the University's two top teaching awards, the Lindback award in 1978 and the AMOCO award in 1979.

His research interests extend beyond ponies. An ornithologist, he has published extensively on bird behavior and was one of the few invited American speakers at last year's International Conference of Ethnology in Madrid. He is also a lepidopterist with particular interest in moths.

A new Penn State Press book, *Utilization of Municipal Sewage Effluent and Sludge on Forest and Disturbed Land*, has been edited by **Dr. William E. Sopper**, professor of forest hydrology, and **Sonja N. Ketr**, environmental research analyst, Institute for Research on Land and Water Resources.

The 44-chapter volume is a compilation of papers presented at a national symposium organized by the editors. The first half of the book summarizes the state of knowledge on the economic and environmental impacts of recycling municipal wastewater in forest ecosystems. The second half discusses the

use of municipal sludge to revegetate strip mined areas.

Recent federal decisions have encouraged the use of municipal sewage products in land reclamation.

25-year chair



Mary E. Holt, a section head-data entry in Management Services, received her 25-year chair on July 1.

A Centre County native, Mrs. Holt graduated from business school in 1944 and then enlisted in the U.S. Coast Guard. While stationed in Washington, D.C., she met her future husband, Paul, and after they were married in 1946, the couple returned to central Pennsylvania.

Mrs. Holt began working at the University in 1954 as a bus lady and janitress in the HUB. Six years later, after taking courses in keypunching, she assumed her present post.

As section head, Mrs. Holt supervises 12 data preparation operators on the 4-45 p.m. to 1:15 a.m. shift.

Appointments Hershey

David J. Dula as assistant professor of emergency medicine. B.S., PSU; M.D., Hahnemann Med. College. Formerly intern, Geisinger Medical Ctr.

Robert P. Lorenz as assistant professor of obstetrics and gynecology. B.A., Princeton; M.D., U. of Chicago. Pritzker. Formerly intern, U. of Chicago; fellow, U. of Mich. Hospital.

Charles R. Potter as assistant professor of surgery in otolaryngology. B.S., Michigan State U.; M.D., Wash. U. Med. School. Formerly resident, Jewish Hosp. of St. Louis and Washington U.

Stephen R. Skinner as assistant professor of orthopaedic surgery. A.B., Kenyon College; M.D., U. of Pitt. Formerly intern, Mercy Hosp., Pittsburgh; resident, Hershey; fellow, Rancho Los Amigos Hosp., Downey, Cal.

Paul G. Stump as assistant professor of obstetrics and gynecology. B.A., Fordham U.; M.D., SUNY Downstate Medical Ctr. Formerly resident, research fellow, clinical instructor, U.S.C. Med. Ctr.

Robert M. Ward as assistant professor of pediatrics. B.S., Southern Methodist U.; M.D., Johns Hopkins. Formerly fellow, U. of Minnesota Hospitals.

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Promotions

Faculty

Dr. Ernest D. Marquez to associate professor of microbiology at Hershey. James D. Boyer to assistant professor of English at Berks. Gary Collison to assistant professor of English at York. Sharon L. Serzan to senior assistant librarian at Capitol.

Clerical

Karen L. Bayllets to clerk A — notary public in Student Affairs. Betsy J. Boyer to clerk, records A in Student Affairs. Linda A. Coble to clerk, analysis A in Student Affairs. LuAnn Jaworski to secretary B in Business Administration. Lucille P. Kilmer to conference secretary in Continuing Education. Nancy A. Markey to secretary B at Hershey. Karen M. Musick to senior clerk — BEOG Program in Student Affairs. Victoria G. Peters to records term leader in Office of University Registrar. Janis E. Praskovich to technical secretary A in President's Office. Carol A. Rossman to clerk, records A in Office of University Registrar. Barbara E. Ruddy to budget clerk at Hershey. Crystal D. Stover to secretary C in Business Administration. Kathleen Stuart to clerk A — BEOG Program in Student Affairs.

Staff Exempt

S. Michael Francis to manager, Ambulatory Services at Hershey. Stanley E. Latta to assistant director, residential life operations in Student Affairs. William C. Mulberger to assistant housekeeping supervisor in Housing and Food Services. Linda H. Phelps to assistant dining hall supervisor in Housing and Food Services. Gillian Y. Roland to monograph acquisitions assistant in Libraries. Stanley M. Shope to football equipment & facilities coordinator in Health, Phys. Ed. & Rec. Francis G. Sinclair to assistant dining hall supervisor in Housing & Food Services.

Staff Non-Exempt

Constance L. Edmiston to project documentation specialist in Management Services. Judith Ann Kauffman to critical care monitoring technician at Hershey. Donna J. Rossi to histopathology technologist at Hershey. Paula J. Sembach to senior staff nurse at Hershey.

Technical Service

Joyce D. Bates to environmental health worker — group leader at Hershey. Richard L. Carpenter to group leader in IRP. Diane M. Hoover to photographic reproduction processor in Business Services. Peter Snyder to general maintenance worker A at Berks. Richard F. Way to service attendant in Physical Plant.

Retirements

With the rank of professor emeritus of Journalism, Dr. Arthur M. Barnes retired from the University on July 1. He joined the Penn State faculty in 1969. Dr. Barnes was director of Penn State's School of Journalism from 1969 to 1978, when he returned to full-time teaching and research. Born in Eagle Grove, Dr. Barnes received a B.A. in history from the University of Iowa in 1936 and an M.A. in speech the following year. His Ph.D. in



speech, from Cornell University, was awarded in 1948.

From 1925 through 1941, he worked off and on, full and part-time, in various positions on his family's newspaper, the "Eagle Grove (Iowa) Eagle." After completing his master's degree, Dr. Barnes taught public speaking at Cornell for three years, at Dartmouth College for one year and at New York University for three years. From 1942 to 1945, he was an instructor and assistant professor of English at Princeton University.

From there he went to Iowa City as an assistant professor of journalism, ultimately rising through the ranks to professor of journalism and head of journalism graduate study.

At Penn State, Dr. Barnes' research interests led to a number of readership and content analysis studies of newspapers and magazines. He played a major role in expanding internship and other in-the-field training experiences for students, both undergraduate and graduate, and also directed the graduate work of a number of master's degree candidates. In 1973, he was president of the American Association of Schools and Departments of Journalism.

He presided over Penn State's School of Journalism at a time when enrollment was growing rapidly. Total enrollment in journalism courses at the University Park campus rose by 50 percent, and the number of undergraduate majors grew from 325 in the fall of 1969 to 559 in the fall of 1978.

Following his retirement, Dr. Barnes and his wife, Roberta, will continue to live in State College. He is spending the summer as a visiting professor at the University of Southern California School of Journalism.

Henry T. Moon, assistant State 4-H leader and assistant professor of agricultural extension, retired June 30 with 35 years of service.

Mr. Moon was named to the Cooperative Extension Service staff in 1944 as assistant Berks County agricultural agent. Two years later he was named to his present position. He received his B.S. in dairy husbandry from Penn State and M.S. from the University of Maryland, majoring in child study and human development.

Among Mr. Moon's more recent responsibilities was the coordination of international and interstate 4-H-youth exchange programs.

William Arthur Glubb, assistant professor of engineering at DuBois, retired from the University on June 1.

Mr. Glenn, who received his B.S. and M.Ed. degrees from Indiana University of Pennsylvania, joined the faculty in 1955 as an instructor in engineering at McKeesport. He moved to DuBois in 1956.

During his 24 years at Penn State, Mr. Glenn served as group leader for the two-year associate degree program in mechanical engineering and was also acting director of the DuBois Campus.

Wallace Youhon is retiring as a janitor foreman with the Office of Physical Plant on July 24. He has been at the University since Jan. 22, 1968.

Cora Gray, a member of the staff since Sept. 23, 1967, will retire Aug. 1. She is employed as a food service worker in Housing and Food Services.

Obituaries

Robert P. Meahl, professor emeritus of ornamental horticulture, died July 11 in State College. He was 72.

Prof. Meahl served for more than 40 years as a member of the College of Agriculture faculty, earning an international reputation as director of the operations of the All-America Test Flower Gardens.

"The outstanding work and creativity of Prof. Meahl beautified our campus and made Penn State a leader in the field of horticulture. I am deeply saddened by his passing," President Oswald said.

A 1965 recipient of the Lindback Award for Distinguished Teaching, Prof. Meahl earned B.S. and M.S. degrees at Purdue University before coming to Penn State in 1931. He retired in 1972.

Leroy Day, a janitorial worker with the Office of Physical Plant from 1952 to 1972, died July 10. He was born Aug. 16, 1908, in Tylersville, Pa.

22 employees take writing course

Twenty-two University employees completed the course in Writing Skills for Secretaries/Clericals this past term. They were:

Barbara Bartley, clerk typist A, Agriculture; Diana L. Brenizer, secretary B, Library; Teddy Hoover, secretary A, Office of Budget & Planning; Beverly M. Hosband, secretary B, Engineering; Maxine L. Johnson, secretary A, Engineering; Paula Knouse, technical secretary C, Applied Research Laboratory.

Jane M. Linsky, technical secretary C, Applied Research Laboratory; Sandra M. MacElwee, secretary A, Applied Research Laboratory; Judy Marconi, secretary B, Housing & Food Services; Beth M. Marquis, secretary B, Inter-College Research Program; Donna Lee Meek, clerk typist B, Education; Naomi V. McCamley, secretary B, Business Administration; Jerry Olsen, senior copier, Library.

Sharon Rakowski, secretary C, Continuing Education; Brenda Richner, secretary B, Admissions; Deborah E. Rogers, clerk typist A, University Division of Instructional Services; Rita M. Schiesler, secretary A, Applied Research Laboratory; Karen Stitzer, audio-visual maint. clerk, Continuing Education; Sandi Wallace, secretary B, Science; Linda K. White, secretary C, University Division of Instructional Services; and Jacqueline C. Wolfe, secretary B, Agriculture.

Energy conservation measures are explored

The University's Executive Energy Conservation Committee has voted to replace 30 of the mercury vapor street lights on central campus at University Park with high pressure sodium vapor lights.

"The project will eventually pay for itself," Ralph E. Zilly, vice president for business and chairman of the committee, explains. "High pressure sodium vapor lights are approximately twice as energy efficient as their mercury vapor counterparts."

The area to be affected is the block circumscribed by the Pugh Street and Allen Street malls on the east and west and College Avenue and Pollock Road on the south and north.

The project will begin as soon as an appropriate funding source is located, Mr. Zilly adds.

The committee also agreed to begin an evaluation of automating classroom lighting via the University's central computer control system.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 475-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 26, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with East Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ACADEMIC COUNSELOR, DEVELOPMENTAL YEAR PROGRAM — Vice-President for UNDERGRADUATE STUDIES, University Park. Responsible to the Coordinator of the Developmental Year Program for providing various academic services to individual students to enable them to adjust effectively to the University environment. Assist students with course scheduling and curriculum services of the University. Conduct individual and group academic review counseling sessions. Act as a resource person to the instructional and tutorial staff. Perform other duties as assigned. Master's degree or equivalent in education, counseling, psychology or special education, plus two years of directly related experience.

PATIENT UNIT COORDINATOR — COLLEGE OF MEDICINE, Hershey. Participate in the formulation of and implementation of the philosophy and objectives of nursing care. Participate in the formulation of and implementation of nursing care standards, procedures and policies developed to insure quality nursing care in a therapeutic environment. Participate in the development and implementation of short- and long-range nursing care goals including determination of personal needs including selection, retention, promotion of staff, and recommendations necessary to facilitate the nursing care of the patient. Bachelor's degree in nursing or equivalent, plus three to four years of directly related experience and licensed to practice by the Pennsylvania Board of Nurse Examiners.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park. Collect, organize and enter data on R/E terminal. Select package programs or write elementary programs to run on the University's IBM 360/58 computer. Supervise the work of part-time employees and assist graduate students in the laboratory and field. Oversee and participate in planning, on-going maintenance and hardware of experimental designs. Lay out plots and insure that experimental design fits physical field dimensions. Responsible for the application of systemic insecticides as appropriate. Draft and link figures, set up tables. Photograph materials for slides and prints. Develop and mount black and white slides. Prepare reagents. Calibrate application equipment. Bachelor's degree or equivalent in biology or related field, plus six to nine months of directly related experience. Knowledge of basic programming and data processing required.

ONING HALL SUPERVISOR — HOUSING AND FOOD SERVICES, University Park. Responsible for supervising all phases of a large dining hall operation: coordinates activities of personnel, inspects work performed, maintains standards of operations, B.S. degree or equivalent in food or related discipline, plus two to four years of directly related experience. **MANAGER, HOUSING AND FOOD SERVICES, COMMONWEALTH CAMPUSES — HOUSING AND FOOD SERVICES, Beaver Campus**. Responsible to Director of Commonwealth Campus Operations for Housing and Food Services at Beaver Campus, including supervision of the preparation and serving of foods, requisition or purchase of food and other supplies, arranging special functions and catered events, assignment of student rooms. B.S. degree or equivalent plus two to three years of directly related experience.

"The project will be limited to one floor in East Willard Building," according to J. Carroll Dean, manager of energy conservation programs. "This is a trial effort to obtain figures on the cost-effectiveness of computer control as opposed to manual control."

In an informational report, Mr. Dean talked about the possibility of "rotating blackouts" — a plan by which power companies would limit compensation for limited generating capabilities by brownouts, or blacking-out certain areas within their grids on a pre-arranged schedule.

"Rotating blackouts could adversely affect the University's various computer systems," Mr. Dean explained.

In other action, the committee reviewed the heating and cooling regulations in the Carter administration's proposed emergency energy plan and discussed the feasibility of installing solar collectors on several University buildings.

Calendar

July 19-24

Special Events

Thursday, July 19

Festival Theatre. Bella and Samuel Spewack, *Boy Meets Girl*, 8 p.m. The Pavilion Theatre. Also July 20-22, 24-29. Sunday performances at 7:30 p.m. and matinee at 2 p.m. on July 22. *The Threepenny Opera*, 8 p.m., The Playhouse. Also July 20-22. Sunday, July 22 at 2 and 7:30 p.m.

Friday, July 20

UnCommon Friday Film Classics. *His Girl Friday*, noon, Room 112 Kern. Free. Commonsplace Theatre, Lenny, 7 and 9 p.m., Room 112 Kern. Also July 22.

Saturday, July 21

France-Cinema, Ingmar Bergman, *Scenes from a Marriage*, 6:30 and 9:15 p.m., Room 112 Kern. Also July 23. Explaganzas Film, *Modern Times*, dusk, Fisher Plaza.

Sunday, July 23

First day for signing Fall Term NDSL and University Long Term Loans, Room 108 Shields.

Last date for August graduates to deliver theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for August graduates.

UnCommon Friday Of and By Women, *Robert Flack*, noon, Room 112 Kern. Free. Rhea Jacobus, flute recital, 8:30 p.m., Music Bldg, Riedel Hall.

Tuesday, July 24

Explaganzas Concert, Phi Mu Alpha Dixieland Band, 7:30 p.m., Fisher Plaza.

Wednesday, July 25

Phi Delta Kappa Lecture. Patricia A. Donovan, deputy attorney general, assigned to Pa. Dept. of Ed., on "Interpreting Educational Law and Defending the State Department of Education," 11 a.m., Room 108 Forum. Friends of the Museum Illustrated Lecture. Lorraine Kapitoff, Slavic Languages, discusses Russia, 8 p.m., Museum of Art.

Friday, July 27

Penn State USTA Adult Tennis Tournament, 9 a.m.-5 p.m., Tennis Club. Through July 29.

Saturday, July 28

UnCommon Friday Film Classics. *The Blue Angel*, noon, Room 112 Kern. Free. Commonsplace Theatre. *The Ruling Class*, 7 and 9:30 p.m., Room 112 Kern. France-Cinema. Werner Herzog, *Sirozok*, 7 and 9 p.m., Room 112 Kern. Also July 30. Spectrum. The Jerry Ames Tap Dance Company, 8 p.m., Eisenhower Auditorium.



"Watering Hole" by David Armstrong at Kern Commons Gallery.

Explaganzas Film, 20th Century, dusk, Fisher Plaza

Exhibits

Chambers Gallery: CPFA, Children's Art, through July 22.

HUB Gallery: "With Needle and Thread," through July 22. CPFA, Juried Prints and Drawings, through July 27.

Kern Commons Gallery: David Armstrong, paintings. Art Alliance Juried Members' Show, through July 21. Esther Del Rosso, lithographs, opens July 21.

Museum of Art: open daily noon-5 p.m. except Mondays. Tours on Sundays at 1:30 p.m. by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill, CPFA. Juried Contemporary Crafts and Heritage Sampler—Domestic Arts and Crafts of Central Pa. 1750-1900.

Pattee Galleries: Donald Lajeunesse and Craig Edgren, ceramics. East Corridor Gallery. Joe Sweeney, pastels, works by members of the Nittany Valley Chapter of the Embroiderers' Guild of America, through July 25, Lending Services Lobby.

Zoller Gallery: CPFA, Juried Photo Exhibition, through July 27.

\$1,000 will be awarded in the clinical science category. Each award will be made annually, and consideration will be given to every full-time medical student.

To support the award, the sum of \$2,000 will be given to the College of Medicine each year by a contributor who wishes to remain anonymous.

A "Raymond R. DiMeo Award for Instructional Improvement" has been established to "recognize and encourage significant contributions by the faculty to the improvement of undergraduate instruction."

The fund has been established by Mr. DiMeo, instructional services coordinator for Penn State's Commonwealth Campuses. All tenured and tenure-track faculty are eligible for the annual \$500 award and certificate.

More part-time graduate students expected

A trend toward more part-time graduate students "will present a challenge to the University," Dr. James B. Bartoo, dean of the Graduate School, said in a report to the Trustees.

"Often these students are fully employed and are seeking graduate education on a part-time basis for the purpose of professional development, for professional licensure or certification or for professional advancement," he continued.

The trend will provide opportunities, particularly for Penn State's Capitol Campus and the Radnor Center for Graduate Studies and Continuing Education, Dean Bartoo said.

An experimental arrangement at Radnor designed to provide greater graduate opportunities in professional master's degree programs is currently in effect, he noted. The five-county area served by the Radnor Center contains approximately 400,000 working professionals.

"This model is the best way," he commented, "for the University to respond to the post-baccalaureate educational needs of Pennsylvania's working citizens."

Dean Bartoo said the Graduate School was maintaining reasonable admissions standards and that the quality of the faculty is being maintained and sometimes enhanced.

"These are the essential ingredients of quality," he noted.

He said graduate education at Penn State and at all major research universities around the nation has been going through a period of consolidation.

"We have become more selective—perhaps too selective—about creating new graduate programs," he pointed out. "To realistically maintain excellence and efficiency as a graduate institution, we must maintain the capability not only to adapt to change but to create it."

Low ratios of graduate students to undergraduates in some programs and the fact that financial support for graduate assistantships is declining are problems facing the Graduate School, he noted.

"We are currently examining ways and means for using some federally supplied work-study funds for supporting graduate students," he said.

In the past, about half the University's graduate students have been supported by assistantships, fellowships, traineeships or other funds administered by the University. The ratio is now about 45 percent.

Approximately 6 percent of the graduate enrollment for Fall Term 1979 is expected to be composed of minority students, Dean Bartoo said.

"This has followed national trends and changed only modestly upward for the past three or four years in spite of increased University resources allocated for recruitment and student aid," he said. "A modest federally funded minority fellowship program may be of assistance to us."

Women accounted for 34 percent of the graduate enrollment at Penn State in 1978, compared to 28 percent in 1958.

Interactive Computing Committee offers four major recommendations

A Committee on Interactive Computing Requirements was established in late 1978 by Dr. Forrest J. Renick, director of the Institute for Science and Engineering, to determine the requirements of academic programs for interactive computing service—conversation with a computer by terminal—in addition to currently available systems, and to analyze and prioritize these requirements. The committee surveyed all computer users, sponsored an open forum where faculty groups could discuss their needs, sponsored (in cooperation with the Computer Center) seminars by and committee discussions with four outside experts in the area, and reviewed reports on interactive computing by several comparable universities.

The committee's evaluation indicated that the faculty perceived a need for interactive computing and felt it to be essential in research (89 percent of respondents), in graduate instruction (85 percent of respondents), and in undergraduate instruction (65 percent of respondents). All three types of interactive computing—interactive editing, use of developed software packages interactively, and general purpose interactive computing using multilingual operating systems—are needed. Research and graduate

instruction require all three types while undergraduate instruction requirements vary by field. For the latter, the primary need appears to be for interactive editing and for use of developed software packages interactively. General purpose interactive computing, however, is needed in several of the more advanced undergraduate courses.

Based on the study, the committee has made four major recommendations to be implemented as soon as practicable:

1. An interactive editor superior to the current Remote Job Entry system should be provided.

2. APL services should be upgraded by providing newer software and more workspace.

3. General purpose interactive computing supporting several languages in interactive mode should be provided.

4. In order to develop a campus-wide, integrated computer system, additional computers purchased by any University unit should be capable of being networked with the Computer Center Computer.

The full report of the committee is available in the library of the Computer Center.

M.C. Hallberg, Chairman
T.E. Daubert
C.F. Fischer

A.K. Henry
R. Seibel
M.J. Tretter

Trustee docket

(Continued from page 1)

alumnus. The Columbics were amateur painters.

The fund will provide a minimum of three scholarship awards annually, with one award in each of three areas—design achievement, humanistic achievement and performance achievement.

An "Alton R. Klinefister Memorial Scholarship" has been set up to help scholarship outstanding students who need financial assistance to complete their college education.

The scholarship fund's initial principal, \$5,000, is provided by the estate of the late Mr. Klinefister of Warren, Pa., who received a B.A. in arts and letters from Penn State in 1931.

Students considered for the scholarship must be eligible for admission to the Penn State Scholars Program, or eligible for an Alumni Memorial Scholarship.

A "College of Medicine Scientific Achievement Award" will recognize the medical student judged to have completed the best basic science problem-solving project and the medical student judged to have completed the best clinical science problem-solving project. The projects are a research experience performed in conjunction with a faculty member as a requirement toward graduation.

An award of \$1,000 will be made in the basic science category, while another

Penn State Intercom

News in Brief

Mellon Trust contributes to new Goddard Chair

The Richard King Mellon Charitable Trust of Pittsburgh has made a \$50,000 contribution toward establishing the Maurice K. Goddard Chair in Forestry and Environmental Resource Conservation at the University.

"In making this grant, the Trustees recognize the dedication to conservation which Dr. Goddard displayed through his many years of service to the State of Pennsylvania," George H. Taber, director of the Mellon Trusts, said in a letter to President Oswald.

"I am pleased and grateful that the Mellon Trusts have recognized Dr. Goddard's exceptional achievements and the importance of the chair in this manner," Dr. Oswald commented.

Dr. Goddard, recognized as Pennsylvania's leading conservationist during 24 years of service under five governors, was director of Penn State's School of Forestry when he was appointed Secretary of Forests and Waters in 1955. His personal commitment to develop a state park within 25 miles of every Pennsylvanian resulted in 45 parks totaling 129,588 acres in 35 counties.

Football ticket sales soaring toward record

Penn State, which broke all of its football attendance records last year, appears to be headed for another record-breaking season in 1979.

"Based on our anticipated student ticket sale, we are now sold out for all of our home games except the game with Temple on Nov. 17," says Penn State ticket manager Bud Meredith. "We are continuing to fill orders for that game on a first-come, first-served basis."

The Lions are sold out for their Beaver Stadium encounters with Rutgers, Sept. 15; Texas A&M, Sept. 22; Army, Oct. 13; West Virginia, Oct. 27; Miami (Fla.), Nov. 3; and Pittsburgh, Nov. 24.

Mr. Meredith also indicated that three of the Lion's four away games were sellouts — at least from the Penn State standpoint.

"We have sold out our ticket allotment for the games at Nebraska, Maryland and North Carolina State," Mr. Meredith noted.

Tickets are still available for the Lions' game with Syracuse at Giants Stadium in East Rutherford, N.J., on Oct. 20.

Museum of Art features works by Arthur Davies

"Works by Arthur B. Davies from the Collection of Mr. and Mrs. Herbert Brill" now at the Museum of Art, features 60 of the artist's works in a wide variety of media.

John Paul Driscoll, curator of the William H. Lane Foundation in Leominster, N.Y., selected the show and compiled its catalog. He describes Davies as "an enigma, a fascinating character who is at once an historic figure of considerable renown and a phantom-like mystery man."

Born in Utica, New York, in 1862, Davies enjoyed tremendous popularity; his paintings were purchased for major and private collections throughout the country.

His figures, for which he is best known,



Movie script writers Robert Law, played by Richard Hill (bottom), and J. Carlyle Benson, played by Jim Caldwell (top), are up to their usual shenanigans in a scene from the Festival Theatre production of the Hollywood comedy "Boy Meets Girl," running evenings through July 29 at the Pavilion, with an additional matinee performance July 29. The production is part of Nittany Mountain Summer 1979, the University's sixth consecutive summer celebration of the arts. Evening curtains are at 8 p.m., except Sunday, when the performance begins at 7:30 p.m. The matinee begins at 2 p.m. Tickets are available at the Playhouse Theatre box office, open daily 10 a.m. to 9 p.m. Reservations can also be made by calling 865-1884.

depict nymphs, children and child-like creatures glowing with innocence. His landscapes are idyllic scenes far removed from everyday life. But Davies' private life was clouded with illicit relationships, secrecy and fear of rejection.

Jerry Ames Tap Dance Co. to perform July 28

Classic and modern tap dancing will be featured when The Jerry Ames Tap Dance Company performs Saturday, July 28, at 8 p.m. in Eisenhower Auditorium as part of Nittany Mountain Summer Spectrogram.

Jerry Ames, lead dancer, choreographer and founder of the company, and six dancers will perform a variety of tap styles including the traditional soft-shoe, an Irish jig and ballet-style dancing to classical music.

Tickets for the concert are available at the Eisenhower box office, open Monday through Friday from 10 a.m. to 6 p.m. and the day of performance beginning at 1 p.m. Ticket information and reservations are available by calling collect (814) 863-0255.

Tickets are also available for the Nittany Mountain Summer Spectrogram presentation of The Fred Waring Show, "More About Love," Saturday, Aug. 4, at 8 p.m. in Eisenhower.

Thomas exhibit continues

The Kern Commons Gallery is presenting an exhibition of pottery and porcelain by Susan Thomas through Aug. 4.

Susan Thomas holds a degree in art from Thiel College in Greenville, Pa., and has done graduate study at East Texas State University and Alfred University in New York.

Ms. Thomas had also served as the head resident potter at the Lake Erie Islands Workshop, Put-In-Bay, Ohio. Her wheel-thrown functional stoneware and porcelain pottery has appeared in exhibitions at the Butler Institute of American Art in Youngstown, Ohio, Thiel College, and Allegheny College in Meadville, Pa.

Horticulture Department gets new phone numbers

All the telephone numbers from the Department of Horticulture have been changed, including that of the departmental office, which can now be reached at 865-2572. Persons wishing to call individual faculty members can obtain the new numbers either from University Information or the Horticulture Office.

President announces extra Yule Holiday

President Oswald has announced that the additional holiday at Christmas slated to go into effect in 1980 will be moved up to 1979. Therefore, in 1979, the official University holidays will be Dec. 24, 25, 26, 27, 28, 31, and Jan. 1.

"Granting the additional day this year will provide a longer uninterrupted holiday for our employees," Dr. Oswald stated. "In addition it will bring in fuel and utility savings by enabling the University to maintain lower building temperatures and consume less electricity for a greater number of consecutive days."

All of the policies which normally apply to an official University holiday will apply to the additional holiday. Persons in essential services will be expected, of course, to perform these services as usual and will be compensated in accordance with University policy.

Violations of energy rules can bring fines

Willful violations of the Carter Administration's new energy conservation rules can result in penalties to individuals of up to \$10,000 per day, Ralph E. Zilly, chairman of the University's Executive Energy Conservation Committee, reminded today.

National Emergency Energy Conservation Plan No. 2 sets 78 degrees Fahrenheit as the minimum temperature for comfort air conditioning under most circumstances.

In addition, 65 degrees is set as the upper limit for heating and 105 degrees is the limit for domestic hot water for personal hygiene.

"The plan further stipulates that the individual having control of a room or unit thermostat is to be cited for any violations," Mr. Zilly said. "Where there is no room thermostat, the University is responsible." For example, in an office having a window air conditioner, the occupant(s) has sole control of the thermostat and is personally responsible for any violation.

The University — for over 5 years prior to the new directives — maintained comfort air conditioning at 78 degrees. The old standard for heating was 68 degrees, however, and hot water had been set at 120 degrees.

Residence halls are viewed as the equivalent of private residences and the temperature regulations therefore do not apply. Other areas exempt from the 78° restriction are research labs containing temperature-dependent equipment or processes, certain computer areas, health care spaces — but not waiting rooms and ordinary offices — and animal quarters.

The Office of Physical Plant is presently preparing plans to implement the regulations, in almost 200 buildings at University Park and a similar number at other locations.

"President Oswald's Administrative Policy Council has affirmed the University's intent to comply with the new directives," said Mr. Zilly, "and taking the lead from President Carter's nationwide address April 4, has also reaffirmed the

(Continued on page 2)

Penn Staters

Dr. Graham B. Spanier, associate professor of human development and sociology, has been appointed associate dean for resident instruction within the College of Human Development. It was announced by Dr. James B. Bartoo, dean of the Graduate School and executive officer of the College of Human Development.

Dr. Spanier, whose appointment became effective July 1, joined the Penn State faculty in 1973 after receiving his Ph.D. in sociology from Northwestern University. His M.S. and B.S. degrees, both in sociology, were conferred by Iowa State University.

Dr. Spanier's research projects have concentrated on marital adjustment processes, separation and divorce, and analysis of marriage and family relations across the life span. He is author or co-author of 50 publications, including five books, several of which are now in use as college texts.

He served as chairman of the College Faculty Organization in 1975-76, and has been divisional professor-in-charge and professor-in-charge of the undergraduate program in the Division of Individual and Family Studies.

John E. Flynn, professor of architectural engineering, has been elected president of the Illuminating Engineering Society of North America for 1979-80. Established in 1906, the IES/NA has nearly 10,000 members and serves as a focus for scientific and application-oriented work in the field of illumination and related factors in the designed visual environment.

J. William Holl, professor of aerospace engineering and project engineer in charge of cavitation research at the Applied Research Laboratory, has been selected by the National Nominating Committee as the candidate for vice-president of The American Society of Mechanical Engineers, Basic Engineering Department. Following his election to this office he will serve a two-year term beginning in 1980.

Dr. Nathan N. Aronson Jr., associate professor of biochemistry, recently presented an invited paper at the British Biochemical Society meeting in Cambridge, England. The paper focused on research underway in his laboratory in which a protein normally found in the exterior of red blood cells is modified and taken into the liver. The goal of this project is to enable pharmacologists to target drugs for various tissues in the body. The paper was co-authored by Dr. George Hildenbrand, research assistant. Dr. Aronson also gave an invited talk at the Strangeways Research Laboratory in Cambridge on "Degradation of Glycoproteins in the Perfused Rat Liver."

Dr. Larry J. Kuhns, assistant professor of horticulture extension, has been named co-winner of the Kenneth Post Award presented by the American Society for Horticultural Science. Dr. Kuhns, along with Dr. Thomas A. Fretz, of Ohio State University, received the \$200 award for a paper, "Distinguished Rose Cultivars by Polyacrylamide Gel Electrophoresis. II. Isoenzyme Variation Among Cultivars," published in the *Journal of the American Society for Horticultural Science*.

Dr. Emilia E. Martinez-Brawley, assistant professor of social welfare, recently presented a series of invited lectures on "Curriculum Theory and Development" at the National University in Salta, Argentina. Together with Dr. Edward A. Brawley, assistant professor of social welfare, she also presented a series of invited lectures on "Medical Social Work" at the Policlinico Regional San Bernardo, Salta, Argentina, sponsored by the Ministry of Public Health.



Sever J. Toretti, assistant director of athletics, has retired following a long career in Penn State athletics, athletic fund-raising and football recruiting.

Mr. Toretti also held the rank of associate professor in the College of Health, Physical Education and Recreation.

In recent years, he was concerned chiefly with fund-raising efforts for athletic construction projects. He previously was the recruiting coordinator and helped influence many outstanding athletes in their decisions to enroll at Penn State, among them John Cappelletti, Lydell Mitchell, Franco Harris, Mike Reid, Dave Joyner, and Jack Ham.

He played under Penn State football coach Bob Higgins in the 1930s and is best remembered for his outstanding guard play The Monongahela. Pa., native played guard, center and tackle for the Penn State teams of 1936, '37 and '38.

He was graduated in 1939, but remained on campus for one year as an assistant freshman coach. He received a master of education degree at Penn State in 1946.

From 1949 to 1963, when he was named recruiting coordinator, he was an assistant football coach at Penn State. His primary responsibility was the coaching of offensive linemen, including such standouts as All-Americans Dave Robinson and Glenn Ressler, Roosevelt Grier and Ralph Baker. He also played a major role in the design of a grants-in-aid program for Penn State athletes.

Mr. Toretti and his wife, the former Ruth Kistler, of State College, Class of '41, will maintain their residence in State College following his retirement. They have two children, Patty and Mike, both Penn State graduates.

Retirement

Albert C. Romauldi, a maintenance mechanic at Hershey since 1970, will retire July 28.

Violations

(Continued from page 1)
University's regulation setting 55 miles per hour as the upper speed limit on all University vehicles.

"The cooperation of all University faculty and staff is solicited and expected in assisting with Penn State's compliance with these regulations," he said.

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Campus Update

The Worthington Scranton Campus has awarded the first Gertrude Hawk Candies Inc. Award to Michael G. Abdalla, assistant professor of engineering.

The new award, instituted by Hawk Candies President Elmer Hawk, is to be given annually to the Campus faculty or staff member who exhibits outstanding performance and service in such areas as teaching, advising, co-curricular activities and community service.

Mr. Abdalla, who earned his B.S. and M.S. degrees in physics from the University of Scranton, joined the Penn State faculty in 1967. Last year he was one of three faculty members who received the Excellence in Teaching Award from the College of Engineering.

Construction is underway for the \$12 million Physical Education/Convocation Building at the Berks Campus.

The building is scheduled to be completed by fall of 1980, according to Dr. Harold W. Perkins, Campus director. It will seat 1,000 people and furnish a gymnasium for the campus physical education program. The building will also be available for community use.

During the Berks Campus Advisory Board meeting which preceded groundbreaking ceremonies Provost Edward D. Eddy complimented its members for their degree of involvement in campus development. "Approximately 40 percent of the campus capital development funds have been contributed by local corporations and individuals," he said.

Construction of the new building is being financed totally by local private and corporate contributions solicited during the recent Berks Campus Partners In Progress campaign. Howard O. Beaver, Jr., a University Trustee and member of the Penn State Alumni Council, chaired the successful fund-raising effort.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 471, 1387). Applications for these staff vacancies will be accepted until 5 p.m. AUG. 2, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

There are positions in certain units that, because of the large number of such positions, frequently are not still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for further consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Applications Program/Analyst	Management Services
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing & Food Services
Computer Operators	Intercollege Research Programs
Nutrition Assistants	Agriculture Extension (various counties)
Programmers	Management Services
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hershey Medical Center
Clinical Laboratory Assistants	Hershey Medical Center
Clinical Laboratory Technologists (HEW)	Hershey Medical Center
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey Medical Center
Cyto-Technologists	Hershey Medical Center
Licensed Practical Nurses	Hershey Medical Center
Nuclear Medical Technicians (CLA, M.T., C.T., HEW)	Hershey Medical Center
Perfusionists	Hershey Medical Center
Pharmacists	Hershey Medical Center
Physical Therapists	Hershey Medical Center
Physician's Assistants	Hershey Medical Center
Psychiatric Assistants	Hershey Medical Center
Radiology Technicians	Hershey Medical Center
Respiratory Therapy Technicians	Hershey Medical Center
Staff Nurses	Hershey Medical Center

Calendar

July 26-Aug. 5

Special Events

Thursday, July 26

Festival Theatre, Samuel and Bella Spewack, *Boy Meets Girl*, 8 p.m., The Pavilion Theatre. Also July 27-29. Performances at 2 p.m. and 7:30 p.m. on July 29

Friday, July 27

Penn State USTA Adult Tennis Tournament, 9 a.m.-5 p.m., Tennis Club. Through July 29
UnCommon Friday Film Classics, *The Blue Angel*, noon, Room 112 Kern. Free.
Commonplace Theatre, *The Ruling Class*, 7 and 9:30 p.m., Room 112 Kern. Also July 29.
GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, July 28

France-Cinema, Werner Herzog, *Stroszek*, 7 and 9 p.m., Room 112 Kern. Also July 30.
Spectrum, *The Jerry Arms Tap Dance Company*, 8 p.m., Eisenhower Auditorium.
Explazanza Film, *20th Century*, dusk, Fisher Plaza

Monday, July 30

UnCommon Films Of and By Women, *Harriet Tubman and the Underground Railroad*, noon, Room 112 Kern. Free.

Tuesday, July 31

Fuel Science Seminar, 11 a.m., Room 301 Steidle. Harry Marsh, Univ. of Newcastle, U.K., "The Carbonization Process, Part II"
Explazanza Concert, Whetstone Run, 7:30 p.m., Fisher Plaza

Wednesday, August 1

Last day for signing Summer Term NDSL and University Long Term Loans, Room 108 Shields

Late drop deadline for 10 week and 6 week Terms

Phi Delta Kappa Lecture, 11 a.m., Room 112 Kern. Galen C. Godbey, assistant to the vice president for academic affairs, U. of PA., on "When the Educational Dollar, and Who Gets What?"

Friday, August 3

Shavers Creek Nature Center, Introduction to Backpacking for Adults, through Sunday. By registration only. 865-1851 or 238-5872 for more information.

UnCommon Friday Film Classics, *King Kong* (original version), noon, Room 112 Kern. Free.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, August 4

Spectrum, Fred Waring and The Young Pennsylvanians, "More About Love," 8 p.m., Eisenhower Auditorium.
Explazanza Film, *King Kong* (original version), dusk, Fisher Plaza.

Sunday, August 5

Commonplace Theatre, *Here Comes Mr. Jordan*, 7 and 9 p.m., Room 112 Kern. Also August 6.

Exhibits

Ferguson Lobby; Jerry Reyburn, "Games Made of Wood."

HUB Gallery; CPFA, Juried Prints and drawings, through July 27.

Kern Commons Gallery; David Armstrong, paintings; Susan Thomas, pottery and porcelain; Esther DeRosso, lithographs, all through August 4. Alison Tapp, photographs, Pa. Crafts Marketing Co-op Assn. Exhibit, both open August 4.

Museum of Art; open daily noon-5 p.m., except Mondays. Tours on Sundays at 1:30 p.m. Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill; CPFA, Juried Contemporary Crafts and Heritage Sampler - Domestic Arts and Crafts of Central Italy 1750-1900.

Pattee Galleries; Joe Sweeney, pastels, through July 31. Lending Services Lobby, Donald LuJennese and Craig Edgren, ceramics, East Corridor Gallery.

Zoller Gallery; CPFA, Juried Photo Exhibition, through July 27.

Obituary

Florabelle Segner, a secretary in the College of the Liberal Arts from 1949 to 1965, died July 13. She was born March 18, 1905, in Juniata, Pa.

Penn State Intercom

News in Brief

President appoints committee to advise in selection process

President John W. Oswald has appointed a screening committee, in accordance with PS-22, to advise him on potential candidates for the position of Senior Vice President for Administration. The post will be vacated Aug. 31, when Dr. Stanley O. Ikenberry resigns to assume the presidency of the University of Illinois.

The committee, currently in the process of screening a list of internal candidates suggested by the President's Staff and the Council of Academic Deans, is composed of three faculty members and three senior executive officers of the University.

The faculty members, whose names were among those submitted by the Faculty Senate Committee on Committees and Rules, are: Dr. Robert S. Friedman, professor of political science; Dr. George W. Franz, assistant professor of history at the Delaware Campus and chairman-elect of the Senate; and Dr. Helen A. Guthrie, professor of nutrition.

The senior executive officers are: Dr. Edward D. Eddy, provost; Robert A. Patterson, senior vice president for finance and operations; and Dr. Harry Prystowski, provost of The Milton S. Hershey Medical Center and dean of the College of Medicine.

President Oswald has asked Drs. Eddy and Friedman to serve as co-chairmen.

From the small list submitted by the screening committee, President Oswald will select the candidates he considers especially qualified and submit their names to a second-stage, *ad hoc* advisory committee consisting of six members of the Board of Trustees. Appointed by Trustee President Quentin E. Wood, they are: Edward R. Book, Walter J. Conti, John R. Pitzer, William K. Ulerich and Dr. Helen Wise. Mr. Wood will chair the committee.

Dr. Oswald hopes to make his final recommendation to the Board of Trustees for action at its meeting Sept. 20-21 at University Park.

Workshop scheduled for foreign student advisers

The Office of International Student Affairs at the University and the National Association of Foreign Student Affairs (NAFSA) will co-sponsor a workshop, "Update for Foreign Student Advisers," on Monday, Aug. 6, in Room 101 Kern Bldg.

About 50 Pennsylvania institutions, including all of the Penn State campuses, have been invited to send representatives to hear presentations on advising techniques and a review of new immigration regulations, as they relate to institutions of higher education.

Kern to feature exhibits on photography, multi-media

The Kern Commons Gallery will present an exhibition of photographs by Allison Taggart Aug. 4-25. A professional photographer from the State College area, Ms. Taggart is a 1977 graduate of Rochester Institute of Technology's school of photographic illustration.

Describing the exhibit, she says, "Certain lines, tones, and textures repeat themselves, whether it be an active volcano, the skin of a rhinoceros, minute ice formations, or the huge lines of a glacier. By isolating these lines or textures

and depriving them of any recognizable environment, they take on a new and purely visual meaning."

The Kern Commons Gallery will also present a multi-media exhibition by the Pennsylvania Craft Marketing Cooperative Association Aug. 4-25.

The Pennsylvania Craft Marketing Cooperative Association, based near Pittsburgh, is a group of individual craft producers consolidated to act as both a marketing service for craftspeople, and as a force conducive to the professional development of craftspeople. The work of all PCMCA member artists is juried by the PCMCA Standards Committee.

Music psychology scholar to lecture at University

Dr. Desmond Sergeant, chairman of the Society for Research in Psychology of Music and Music Education, will present two lectures and conduct an open seminar at the University on Aug. 6 and 7. He comes to Penn State as a Visiting Fellow of the Institute for the Arts and Humanistic Studies.

Dr. Sergeant, associated with the Froebel Institute of Roehampton Institute of Higher Education in London, England, will speak on "Development of Musical Ability in Children" at 2:20 p.m. Monday.

(Continued on page 2)

Three Humphrey Fellows to study at PSU

Government officials from India, Indonesia and Ghana will study as Humphrey Fellows at the University's Institute of Public Administration during the 1979-80 academic year.

Penn State is one of 11 American institutions selected as hosts in the first year of the Hubert H. Humphrey North-South Fellowship Program. Dr. John W. Oswald, President at Penn State, was one of six university presidents who were asked to be responsible for formulating the final guidelines of this U.S. Government study program under the direction of the Institute of International Education.

The program provides an opportunity for promising young leaders from developing countries to study and gather experience in the United States.

Studying at Penn State will be S. Gurumurthy, undersecretary in India's Department of Atomic Energy; Istanyo Kushadi of the minister's staff in Indonesia's Department of Manpower and Migration; and Lawrence R.A. Satuh, schedule officer in the Economic Relations Bureau of Ghana's Ministry of Foreign Affairs.

"I am delighted that Penn State has been chosen to further the training of these distinguished officials," said Dr. Oswald. "I am confident that they will profit from

the Institute of Public Administration's long tradition of educating public servants."

According to Dr. Robert J. Mowitz, director of the Institute, the three Humphrey Fellows will spend nine months at the University. After a mid-September orientation in Washington, they will settle down to individualized study programs, under the direction of Dr. Robert LaPorte, Jr., assistant director for research at the Institute.

"We expect every administrator to have unique problems, so we try to tailor each individual's program to his own needs," Dr. Mowitz said.

The Institute of Public Administration at Penn State has an extensive background in training administrators from developing countries. Over the past five years, a total of 88 students from 15 developing nations have attended, and a total of 69 master's degrees have been awarded.

At the conclusion of the academic year, the Humphrey Fellows — a total of about 30 nationwide — will attend a workshop at the Hubert H. Humphrey Institute at the University of Minnesota.

Established in 1978 in honor of the late vice president and senator from Minnesota, the Humphrey program is

(Continued on page 2)

Pattee Library has Hinman Collator for specialized proofreading

A specialized proofreading device that can find discrepancies among various editions of the same book has been presented to the Rare Books Room of the Library.

Called a Hinman Collator, the device uses a system of mirrors and optic lenses to produce simultaneous magnified images of two books or sheets of music. These images can be merged or alternated to reveal differences.

"It's a way of proofreading the texts of different editions to see how they vary," explains Charles W. Mann, special collections librarian and professor of English. "Mistakes have a way of creeping in, due to human error, stop-press corrections, censorship, or even fraud. The collator is best for tests of important works, where every letter counts."

Older texts, Mr. Mann says, are especially susceptible to variations from edition to edition because pirating used to be commonplace.

"It wasn't unusual in the 17th century for a printer to pick up a copy of a popular book and set it on his presses. There was no such thing as copyright then."

Such "informality" has left major works open to questions and uncertainties. Mr. Mann explains:

"In one of Herman Melville's books, for example, he refers to the 'solled fish of the sea.' Many experts took that to be an example of Melville's metaphysics, but he'd originally written 'coiled fish,' and a printer had misspelled it."

In doing a literary study of a book, a researcher may compare as many as 25 or 30 copies. This means travelling from library to library, comparing the copies one by one, and is a very time-consuming process. With the help of the collator, a scholar need only get photostatic copies of the originals and then compare them using the machine.

The collator was purchased for the Libraries by the University's Institute for the Arts and Humanistic Studies. It can be used to compare photographs and scientific formula, as well as manuscripts.



Library assistant Sandra Stelts demonstrates the Library's new Hinman Collator.

Penn Staters

Three faculty members have been promoted to administrative positions in the College of Science, as of July 1.

Dr. Joseph Lambert is a new assistant dean for Commonwealth Campuses. Dr. Norman Freed is associate dean for resident instruction, and Dr. Leonard Zimmermann is associate dean for research.

Dr. Lambert, associate professor of mathematics at the Berks Campus, succeeds Dr. Alvin R. Grove, who retired after 15 years as dean and 23 years on the faculty.

A native of Philadelphia, he earned a B.S. at Drexel University, an M.S. at Cornell University and a Ph.D. at Purdue University. He is the author of numerous articles published in scholarly journals and presented at colloquiums and conferences. Also, he is a referee for the "Journal of Approximation Theory" and a reviewer for "Mathematical Reviews."

Dr. Freed, formerly assistant dean for resident instruction, is an associate professor of physics. A Philadelphia native, he earned his B.S. at Antioch College and the M.S. and Ph.D. at Western Reserve University. A specialist in theoretical nuclear physics, he is the author of more than 25 research papers published in scholarly journals.

Dr. Zimmermann, formerly acting associate dean for research, is professor of microbiology and cell biology. He also has been head of the department since 1975. A specialist in bacterial physiology and genetics, he is the author of more than 30 scholarly publications and co-author of a book, *Basic Bacteriology*. Dr. Zimmermann earned his B.S., M.S. and Ph.D. at Cornell University.

Dr. Rustum Roy, director of the Materials Research Laboratory and chairman of the Science, Technology and Society program, was a delegate to the World Council of Churches meeting on "Faith, Science, and the Future" held at M.I.T. from July 12-24. The meeting of 500 delegates representing churches from the Soviet Union to Fiji has been the culmination of 12 years of planning. As a delegate to the meeting, Dr. Roy was principally responsible for focusing the Council's attention on reversing the nuclear arms race, in order to form coalitions of the world's leading scientists who have long opposed nuclear weaponry, with the church leaders who influence much larger numbers.

Obituary

Dr. Edward B. VanOrmer, professor emeritus of education and psychology and assistant dean of the Graduate School, died at 8:25 p.m. Friday, July 27, in State College. He was 76.

Dr. VanOrmer retired from the University in 1968, after 32 years on the faculty.

After earning his B.A. at Juniata College and his M.A. and Ph.D. at Columbia University, he taught at a number of colleges before joining the Penn State faculty in 1936, as an assistant professor of psychology. He was promoted to associate professor in 1943 and to full professor in 1949.

In 1956, Dr. VanOrmer began serving as assistant dean of the Graduate School on a part-time basis, from 1966 until his

retirement, he devoted full time to those responsibilities.

He is survived by his wife, the former Geraldine Good, two sons and a granddaughter.

Contributions in his memory may be made to the State College Presbyterian Church.

Drs. Carter, McKeel get new posts in Admissions

Dr. Glenn G. Carter, director of secondary school relations at the University, has been appointed assistant dean of admissions, effective immediately. Dr. James T. McKeel has been named director of undergraduate admissions in the recently expanded Office of Admissions.

"The long and broad-ranging experience of both these administrators will be an asset to the reorganized and enlarged Admissions Office and the University," said Donald G. Dickason, dean of admissions. "I look forward to their assistance in meeting our office's future challenges."

In a University reorganization, the Office of Secondary School Relations and the Office of Undergraduate Admissions were merged into the Office of Admissions, July 1.

A native of Washington, Pa., Dr. Carter holds three degrees from Penn State, including the doctorate in higher education administration. He joined the Penn State staff in 1965 as a continuing education administrator at the Altoona Campus. In 1966, he was named assistant director of continuing education at the campus. In 1974, he was named director of secondary school relations.

In his new capacity as assistant dean of admissions, Dr. Carter will have particular responsibilities for planning and admission activities external to the University.

Dr. McKeel, who has been director of undergraduate admissions in the division of admissions and scheduling since 1974, joined Penn State as an admissions counselor in 1965. He was named assistant admissions director in 1967 and admissions director, advanced standing, in 1969. He holds a doctor of education degree from Penn State.

News in brief

(Continued from page 1)

Aug. 6, in Room 224 Chambers.

His seminar on topics related to the psychology of music will be held at 9 a.m. Tuesday, Aug. 7, in Room 221 Chambers. He will lecture on "An Examination of Some Absolutist and Referentialist Views of Musical Aesthetics" at 2:20 p.m. Tuesday in Room 224 Chambers.

Dr. Sergeant's areas of research include studies of the development of absolute pitch, development of musical ability in young children, and pitch perception.

Interested persons are invited to attend the lectures and seminar. Those wanting additional information about Dr. J. David Boyle, professor of music, at 865-0418.

Calendar deadline

Information for inclusion in the Fall Term Calendar must be submitted by August 10 to Calendar Editor, Room 312 Old Main, 865-2501. The Fall Term Calendar will be published in the August 30 issue of INTERCOM.

Fare increase sought

The University has applied to the Public Utilities Commission for approval of an increase in fares for the Campus Loop buses. The increase, the first since the Campus Loop was established in 1972, would bring bus fares from 10 cents to 25 cents.

Higher fuel costs and increases in bus maintenance costs, along with a reduced operating subsidy, have substantially increased the operating deficit that

necessitated the fare charge, according to Ralph E. Zilly, vice president for business. If approved, the new fares would become effective August 27.

Three

(Continued from page 1)

funded by the U.S. government through the Internationally Communication Agency. It is administered by the Institute of International Education. Eventually, the fellowship program is expected to grow to about 225 participants.

Among the other institutions hosting Humphrey Fellows this year are the University of California at Berkeley, Harvard University, Princeton University and the Massachusetts Institute of Technology.

Staff Vacancies

The following vacancies for positions classified at staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Aug. 9, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (FEPS) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SPORTS INFORMATION DIRECTOR — HEALTH, PHYSICAL EDUCATION AND RECREATION, UNIVERSITY PARK. Responsible to the Associate Director of Athletics for the direction of an effective and creative sports information and publicity program. Responsible for the preparation and dissemination of athletic information to newspaper, press, radio, television, writing original and creative articles, releases, features and reports on teams, athletes and athletic staff members. Liaison with communications media: writing and editing press stories, brochures and athletic programs, coverage of athletic events, compiling and maintaining statistical and historical data, supervision of working press facilities. Heavy emphasis placed on personal contacts with members of national media. A bachelor's degree or equivalent in journalism or related field, minimum of six to eight years of proven experience in sports information or combination of sports information and newspaper-TV work, proven proficiency in publications. Active affiliation in related professional organizations and associations desirable.

ADVISOR/CONSULTANT — DIVISION OF UNDERGRADUATE STUDIES, McKeesport Campus. Responsible for all Division of Undergraduate Studies activities at the McKeesport Campus. Primary duties include academic counseling, advising, and testing. Required to conduct intensive training programs for faculty and staff. May be required to teach occasionally. A Master's degree or equivalent plus one to two years of directly related experience in college level academic advising and counseling.

ADMINISTRATIVE AIDE — APPLIED RESEARCH LABORATORY, UNIVERSITY PARK. Responsible to the Chairman of the Acoustics Program for the various administrative duties related to the Acoustics Program, which includes assisting students, organizing and setting up course offerings, etc., and for the coordinating and liaison responsibilities involved with the Acoustical Society of America's National Meeting and standing committees. Bachelor's degree or its equivalent with one to two years of directly related experience in Administration is required.

SYSTEMS DEVELOPER — INTERCOLLEGE RESEARCH PROGRAMS, University Park. Responsible to the Manager of the Systems Development Group in the Computer Center for the development of significant enhancements of computer operating systems, modification of externally available system software, and the development of components of major subsystems. Bachelor's degree in Computer Science or equivalent, plus one year of effective experience in system software processing and system development on large IBM system under MVT and MVS.

LIBRARY ASSISTANT — Beaver Campus. Responsible to the Campus Librarian for assistance in all phases of library operations. Two years of college desirable and one year of directly related experience preferably in library work. This is an in-home continuing position.

APPLICATIONS PROGRAMMER/ANALYST — UNIVERSITY LIBRARIES, University Park. Responsible to Senior Analyst/Programmer for conducting analysis of data processing and operational problems, determining detailed requirements to solve problems, formulating logical statement of systems problems, and preparing computer programs to satisfy desired results. Make presentations and submit written reports. Assist in providing direction and control within the specifications of project schedules. Bachelor's degree or equivalent in basic computer systems and one to two years effective experience in computer programming and analysis are required.

Calendar

August 2-12 Special Events

Friday, August 3

Shaver's Creek Nature Center, Introduction to Backpacking for Adults, through Sunday. By registration only — 865-1851 or 238-5872.

Common Friday Film Classics, *King Kong* (original version), noon, Room 112 Kern.

Free. Commonsplace Theatre, Bogart & Bacall double feature, *The Big Sleep*, 7 p.m.; *Dark Passage*, 9 p.m., Room 112 Kern. Also August 4.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, August 4

Spectrum, Fred Waring and The Young Pennsylvanians, "More About Love," 8 p.m., Eisenhower Auditorium.

Explazagna Film, *King Kong* (original version), dusk, Fisher Plaza. Free.

Sunday, August 5

Commonsplace Theatre, *Here Comes Mr. Jordan*, 7 and 9 p.m., Room 112 Kern. Also August 6.

Monday, August 6

Late drop deadline for 8 week Term. An Common Films Off and By Women, *Poetry*, *Anne Sexton* and *Louise Nevelson*, noon, Room 112 Kern. Free.

IAHS/School of Music Lecture, 2:20 p.m., Room 224 Chambers. Desmond Sergeant, Roehampton Institute, London, and IAHS Visiting Fellow, on "Development of Musical Ability in Children."

Interdisciplinary Symposium on Value Lecture, 7:30 p.m., Room 101 Kern. Christopher Johnson, speech, on "A Rhetoric of Growth: Communication and Morality in the Philosophy of John Dewey."

Tuesday, August 7

IAHS/School of Music Seminar, 9 a.m., Room 221 Chambers — Desmond Sergeant discusses the psychology of music with emphasis on the perception of pitch and absolute pitch. Lecture, 2:20 p.m., Room 224 Chambers — Desmond Sergeant on "An Examination of Some Absolutist and Referentialist Views of Musical Aesthetics."

Explazagna Concert, The Dance Band, 7:30 p.m., Fisher Plaza. Free.

State 4-H Achievement Days, Fashion Show, 8 p.m., Eisenhower Auditorium.

Last day of classes for 6 week Term.

Friday, August 10

Uncommon Friday Film Classics, *The Cabinet of Dr. Caligari*, noon, Room 112 Kern. Free Commonsplace Theatre, *Warner's Animation Festival II* — cartoons from the 1940's, 7 and 9 p.m., Room 112 Kern. Also August 12.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, August 11

Last date for submitting petition to Records Office to graduate in absentia in August.

Friar Cinema, *Cria*, 7 and 9 p.m., Room 112 Kern. Also August 13.

Explazagna Film, *Animation Festival* — collection of international animated films, dusk, Fisher Plaza. Free.

Exhibits

Chambers Gallery: Raniero Corbellotti, drawings, and Cindy Nixon-Hudson, soft sculptures, both open August 7.

Ferguson Lobby: Jerry Reyburn, "Games Made of Wood."

HUB Gallery: James Dasta, paintings.

Kern Commons Gallery: David Armstrong, paintings, Susan Thomas, pottery and Porcelain; Esther Del Rosso, lithographs, all through August 4. Alison Taggart, photographs, P.A. Crafts Marketing Co-Op Assn. Exhibit, both open August 4.

Museum of Art: Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill, CPFA, Juried Contemporary Crafts and Heritage Society — Domestic Arts and Crafts of Central Pa. 1750-1900, works from the permanent collection.

Pattee Library: Donald Lajunen and CofE Edgren, ceramics, through August 9. Christine Siksa, paintings and drawings, opens August 10, East Corridor Gallery.

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Penn State Intercom

Dr. Gallagher named Campus Director at Worthington Scranton

Dr. James D. Gallagher, associate professor of physical education and associate dean for Commonwealth Campus programs at the University, has been appointed by President John W. Oswald as director of the Worthington Scranton Campus, effective Sept. 1.

"We are indeed pleased to be able to promote a person with Dr. Gallagher's excellent administrative and academic credentials to this most important position," said Dr. Oswald.

"Dr. Gallagher has developed many outstanding physical education programs throughout the Commonwealth Campus system. In performing his duties, he has worked closely with the directors of all the Campuses, acquiring strong organizational skills and a good understanding of how the system functions.

"When Dr. Gallagher assumes his responsibilities, he will be working closely with a dedicated and effective Advisory Board at the Worthington Scranton Campus."



James D. Gallagher

In this announcement, Dr. Oswald praised Dr. John Villalume for "doing such an excellent job as acting director of the Campus during the past nine months."

A 1959 graduate of the State University of New York at Cortland, Dr. Gallagher holds master's and doctoral degrees in physical education from Penn State.

(Continued on page 3)

News in Brief

Directory forms are mailed

The forms needed to compile the individual phone listings for the 1979-80 Faculty-Staff Directory have been mailed this week. Faculty and staff members who should be listed but did not receive a form may obtain one by calling Telephone Services at 865-8311.

Piano recital slated

A piano recital will be given by Gary Rusnak, a graduate student in music, on Monday, Aug. 13 at 8:30 p.m. in the Music Building's Recital Hall. The recital will feature Sonata K. 332. Mr. Rusnak will also perform Ravel's *Sonatine* and Schuman's *Sonata in F# minor op. 11*. It is free and open to the public.

Bowling League seeks members

The University Men's Bowling League wants to establish two new teams, and University employees interested in joining are urged to call League secretary Ralph Hosterman at 865-6001 or 237-7980. The League, currently composed of 14

teams, bowls Wednesday evenings at 6:30 at the University Lanes in Rec Hall.

Team captains and officers are asked to attend a special meeting at the Lanes at 7:30 p.m. Wednesday, Sept. 6. Mr. Hosterman added.

University wins national community theatre award

The University's Independent Study by Correspondence and the Department of Theatre and Film will receive the American Community Theatre Association's Merit Award at the Association's national convention in New York Aug. 13. The award is for the development of a series of informal courses on "Theatre for the Community."

Football radio expands

Eighty-five radio stations in eight states will be members of the Penn State Football Radio Network for the 1979 season.

The network has grown from 25 outlets in 1955, its first year of operation, to become one of the largest independent networks in the country with stations in Pennsylvania, Arizona, California, Hawaii, Maryland, New Jersey, New York and West Virginia.

New Pennsylvania stations on the network this year are Beaver Falls, WBVP; Ebensburg, WEND; Greensburg, WHJB; Huntingdon, WQRO; Oil City, WRJS-FM; Philadelphia, WCAU; Pittsburgh, WWSW; Tamaqua, WZTA-FM; Washington, WKEG; and Williamsport, WILQ-FM. The other new members of the network are Atlantic City, N.J., WMID; and Weirton, W. Va., WEIR, 1430.

University auditor gets post in national association

Paul R. Johnston, University auditor, has been elected vice president of the National Association of Accountants (NAA) for 1979-80.

As NAA vice president, Mr. Johnston will be a member of its policy-making executive committee and will have liaison responsibility with chapters in his geographic region, which includes Western Pennsylvania; the states of West Virginia, Maryland, Virginia and Delaware; and the District of Columbia.

NAA is the world's largest association (Continued on page 3)

New Jersey educator will direct new School of Music

Dr. Maureen A. Carr, chairman of the Department of Music at Montclair State College, Upper Montclair, N.J., has accepted the directorship of the University's newly-formed School of Music. Her appointment is effective Sept. 1.

Dr. Carr, who will also hold the title of professor of music, will direct the school that came into being July 1 in the College of Arts and Architecture.

A music theorist, Dr. Carr's primary research interest lies in contemporary analytical techniques. Her recent publications include an article in *Opera News* on "The Sound of Mussorgsky's Music" and a paper in the NASM proceedings on "Stravinsky's Firebird." Last February, Dr. Carr coordinated a panel on Theory/Analysis in Higher Education at the Eastern Region Meeting of the Music Educators' National Conference.

A graduate of Marywood College in

Scranton, Dr. Carr received her M.F.A. degree from Douglas College of Rutgers University. While working on her Ph.D. in music theory at the University of Wisconsin, she received several Ford Foundation Fellowships. Before joining the Montclair faculty, she taught at Westminster Choir College in Princeton, N.J., and St. Mary of the Woods in Princeton, Indiana.

Dr. Carr is spending the summer at the University of North Carolina at Chapel Hill, where she is participating in a National Endowment for the Humanities Seminar on Performance Practice in the Music of Beethoven.

She is one of five scholars appointed to the Graduate Record Examination (GRE) Music Committee of the Educational Testing Service. The music committee serves as an advisory panel for the design of music GREs.

Dr. Carr is an evaluator for the National (Continued on page 3)



Maureen A. Carr

Policy and benefit plans altered for faculty, staff at age 65

Final directions relating to the implementation of the Federal Age Discrimination in Employment Act Amendments recently have been released by the government. Because of these amendments, a number of changes have been made in University policy and benefit plans.

The mandatory retirement age was increased to age 70 effective Jan. 1, 1979, for all faculty and staff members who do not have tenure. For such individuals, mandatory retirement at the University will occur now on the day following the last examination day of the academic term (as determined by the University) in which a faculty or staff member's 70th birthday occurs or, if the birthday falls between academic terms, on the day after the 70th birthday.

For anyone with tenure, the mandatory retirement date continues to be the July 1 coincident with or next following age 65

until July 1, 1982. Then, the age 70 conditions above will apply.

The changes in benefit plans affect: (1) current faculty and staff members at 65 years of age or older, and (2) faculty and staff members appointed on or after October 1, 1979, or appointed at age 60 or later. There are no changes in the State Employees' Retirement System or in the Teachers Insurance Annuity Association Plan.

The University health care programs are changed as follows:

1. The UNICARE-65 program for faculty and staff members at age 65 and eligible dependents at age 65 has been replaced by an improved program called UNIVERSITY MEDICARE SUPPLEMENT. This program, together with MEDICARE, provides health care coverage approximately equal to the UNICARE coverage provided for faculty and staff members

under age 65. In addition, faculty and staff members at age 65 and their eligible dependents at age 65 will be reimbursed for their premiums for MEDICARE Part B (less any federally assessed penalty charges), but charges for dependents will be made for the UNIVERSITY MEDICARE SUPPLEMENT on the same rate basis as UNICARE dependent charges.

2. Dental Care and Vision Care (effective July 1, 1980) will continue until retirement, but not beyond age 70 for eligible dependents.

The University's Life Insurance and Accidental Death and Dismemberment (double indemnity) programs are changed as follows:

1. Life Insurance amounts will be reduced at age 65 for all current faculty and staff members, as permitted by the law. This reduction will be approximately 35 percent. For future faculty and staff

members appointed on or after Oct. 1, 1979, the Life Insurance amounts will be reduced by approximately 35 percent on the Jan. 1 following their 60th birthday, and again by approximately 35 percent on the Jan. 1 following their 65th birthday.

2. Faculty and staff members appointed in the past or future at age 60 or more no longer will be limited to a maximum of three thousand dollars (\$3,000) of Life Insurance. The amount will be determined on the basis of salary in the same manner as for all other employees.

The Voluntary Accidental Death and Dismemberment Insurance may be continued until retirement.

University retirees and their eligible dependents who presently are covered under UNICARE-65 also will be covered by the new UNIVERSITY MEDICARE SUPPLEMENT program. There will be no (Continued on page 3)

Penn Staters

Dr. Robert F. Nicely, Jr. has been appointed Coordinator of Continuing Education for the College of Education, effective July 1.

Dr. Nicely has been serving as associate professor of education at the McKeesport Campus. He will be responsible for overall planning and coordination of continuing education activities of the College at Commonwealth Campus and other continuing education centers within the state.

Since 1972 he has had responsibility for academic program development and supervision for the College of Education's continuing education program in Western Pennsylvania.

Dr. Nicely, a member of the graduate faculty, has served on the editorial board of *The New Campus*, an annual publication put out by the Association of Continuing Professional Education.

He has also served on the executive boards of The Pennsylvania Association for Supervision and Curriculum Development (PASCSD) and the Association for Continuing Professional Education.

The Greensburg native has been on the program committees of PASCSD and the Pennsylvania Council of Teachers of Mathematics.

Dr. Chauncey A. Morehouse, professor of physical education, recently returned from Cologne, Germany, where he was affiliated for the past several months with the Institute for Biomechanics at the Deutsche Sporthochschule. Dr. Morehouse was the recipient earlier this year of a Fulbright-Hays travel grant. He lectured at the Institute and studied the kinetics of kicking a soccer ball. In addition, he presented a two-week seminar on experimental design for research in sports science at the Bundesinstitut für Sportwissenschaft, the federal institute for sports science, in Cologne. Representatives of 12 German sports institutes attended the seminar.

Dr. Lita L. Schwartz, professor of educational psychology at the Osgontz Campus, spoke on the topic "Cults and Family Therapy" at the Third International Congress of Family Therapists, held in Tel Aviv, Israel, July 1-5.

Dr. Z. T. Bieniawski, professor of mineral engineering, has been appointed by the National Research Council as a specialist consultant to the U.S. National Committee on Rock Mechanics. In this role, he will prepare a report identifying rock mechanics research requirements in the U.S. in order to increase understanding of the relationship between laboratory-measured quantities and field conditions.

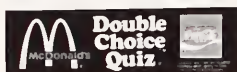
Dr. Gregory J. McCarthy, associate professor of materials research, served as proceedings co-editor of the 14th Rare Earth Research Conference, held June 25-28 at North Dakota State University. More than 300 scientists from 20 nations presented papers on aspects of the science and technology of the rare earth elements, their alloys and compounds.

Dr. J. William Holl, professor of aerospace engineering, will be the next vice president of the American Society of Mechanical Engineers' Basic Engineering Department. He will serve a two-year term beginning in 1980.

Two University faculty members conducted workshops last month in Frankfurt, Germany, for 40 teachers and speech therapists in the Department of Defense Dependents Schools. Dr. Donald F. Moore, head of the Division of Special Education in the College of Education, held a workshop on "Language Acquisition for Hearing and Speech Impaired Children." Dr. John Neisworth, professor of special education, conducted one on "Early Education for Handicapped Children."

Dr. T.T. Tsong, professor of physics, recently presented an invited paper at a symposium sponsored by the Nobel Foundation in Stockholm, Sweden. The symposium, organized by associates of the University of Stockholm, included 30 international scientists and was titled "Direct Imaging of Atoms in Crystals and Molecules." Dr. Tsong discussed "Quantitative Atom-probe and Field Ion Microscopy of Solid Surfaces at Atomic Level."

Dr. Charlotte Mangold, associate professor of German at the Osgontz Campus, recently spent five days as an invited lecturer at the Munich Sprachschule, a noted school for translators in Munich, Germany. As the first American lecturer at the institution, Dr. Mangold spoke on "American Lifestyles."



Double Choice Quiz
TWO WAYS TO WIN YOUR CHOICE
ANSWER ONE QUESTION CORRECTLY. OR, ANSWER TWO QUESTIONS INCORRECTLY. (The question asked below is a correct answer.)
ANSWER BOTH QUESTIONS 1 AND 2 CORRECTLY. (The questions asked below are incorrect answers.)
If the bottom of a question is repeated and is changed to a question, it is a correct answer. (The question asked below is a correct answer.)

Run off for Question 1
K. O. Emery H. A. Panofsky R. M. Uhlmann
Run off one answer only.

Run off for Question 2
W. Rosenberg F. J. Pothoff G. S. Hammond
Run off one answer only.

Run off for Question 3
K. O. Emery H. A. Panofsky R. M. Uhlmann
Run off one answer only.

Renowned scientists sometimes find their research eliciting an application that stretches even their imaginations.

Consider the case of Dr. Hans A. Panofsky, Evan Pugh Professor of Atmospheric Sciences at Penn State. Dr. Panofsky's investigations of atmospheric turbulence earned him the prestigious Rossby Medal — the highest research award conferred by the American Meteorological Society — in 1976.

McDonald's, in a recent promotion limited to customers in Southern California and Hawaii, took that fact and turned it into Question 2 on one of its "Double Choice Quiz" cards, reproduced above.

The West Coast colleague who sent Dr. Panofsky the card correctly answered that query, but failed on first try to scratch out *Halls of Ivy* as the correct answer to Question 1 — which asked the name of the 1954 TV series starring Ronald Colman.

Had the colleague answered both, he'd have eaten a free Big Mac and an order of fries. His answering the question about Dr. Panofsky amounted to curious fortuity, because his incorrect response to the first disqualified him from proceeding further. Had he answered the first question and stopped there, he'd have won an order of fries.

The Rossby Medal isn't the only award Dr. Panofsky has received from the American Meteorological Society. In 1965, the Society recognized his achievements in aerology and meteorology with its Meisinger Award. Dr. Panofsky, who received his B.S. from Princeton University and his Ph.D. from the University of California, has been on the Penn State faculty since 1951.

Dr. Alan A. MacNab, associate professor of plant pathology extension, received the CIBA-Geigy award from the American Phytopathological Society at the Ninth International Congress of Plant Protection in Washington, D.C., Aug. 5-12. Dr. MacNab was selected for his contributions to the vegetable and small fruit industry of Pennsylvania and the northeast United States through his extension educational programs and problem-solving research.

Dr. N.J. Palladino, dean of the College of Engineering, was recently elected chairman of the Professional Interest Council II of the American Society for Engineering Education. As chairman of the Council, Dean Palladino will also be a member of the Board of Directors for ASEE.

Obituaries

Dr. Richard H. Heindel, professor emeritus of international relations at the Capitol Campus and a renowned authority in his field, died July 31 in Harrisburg. He was 66.

Dr. Heindel had served as the first dean of faculty at the Capitol Campus from 1967-73, and as professor there from 1967 until his retirement in 1978.

"The academic community at Penn State is deeply saddened by Dr. Heindel's death," said Dr. John W. Oswald, University president. "In addition to his outstanding reputation in his field, he was an excellent educational administrator. His leadership and experience were instrumental in defining the responsibilities of the dean of faculty position at our Capitol Campus."

Most recently, Dr. Heindel had served as an editor of *Intellect* and had written a monthly state-of-the-world column for the scholarly publication.

In addition to his positions at Penn State, he had served as president of Pratt Institute, Brooklyn, N.Y., from 1961-67, and as president of Wagner College, Staten Island, N.Y., from 1958-61. He was associated with the University of Buffalo, now a part of the State University of New York, from 1954-58, first as dean of the College of Arts and Sciences and professor of history and government and then as vice-chancellor.

From 1950-54, he was deputy director of the UNESCO relations staff, U.S. Department of State.

He was an instructor and assistant professor of Modern European History at the University of Pennsylvania from 1938-46.

A prolific writer, he contributed numerous articles on international relations and world affairs to scholarly journals, and wrote many government and planning reports.

Dr. Heindel was the author of *The American Impact on Great Britain* (1940), which received the G.L. Beer Prize of the American Historical Association. He was editor of *American Influence Abroad* (1950).

A 1933 Phi Beta Kappa graduate of Harvard University, he earned his M.A. and Ph.D. at the University of Pennsylvania, where he was a Penfield Fellow in International Law, Diplomacy and Belles Lettres.

He was a member of the International Association of University Presidents, the American Historical Association, the American Political Science Association, the Association for Higher Education, and the American Council on Education's Commission on International Education.

Surviving are his wife, Mrs. Ruth Noble Heindel, and two daughters to his late first wife: Mrs. Emilio de Gouvea of Carangola, Brazil, and Mrs. Walter Ray Thomas of West Hartford, Conn.

John R. (Jack) Baker, foreman for maintenance and operations at the Altoona Campus, died July 19. He was 54. Mr. Baker had been employed by the Altoona Campus for 31 years.

Charles R. Chambers, a director of accounting in Accounting from 1962 to 1977, died July 19. He was born June 2, 1912, in Audubon, N.J.

Retirements



Dr. Paul J. Glantz, professor of veterinary science, retired July 31 with emeritus rank. Dr. Glantz, internationally recognized for identifying unknown disease-producing bacteria in the intestines of newborn calves and pigs, has been on the Penn State faculty for 35 years.

A Pittsburgh native who became totally deaf at age 16 due to meningitis, he graduated from the DePaul Institute for the Deaf and received a B.A. in bacteriology from the University of Pittsburgh in 1943.

He became an instructor in Penn State's Department of Veterinary Science in 1948, after receiving his M.S. in bacteriology from the University. He got his Ph.D. from Penn State in 1958, and by 1974 was made full professor.

Over the years, in addition to his teaching duties, Dr. Glantz has researched and identified previously unknown bacterial strains. Working with *E. coli* pigs, calves and poultry, he perfected a technique for separating harmless bacteria from pathogenic ones.

The method is called "serotyping." To work with it, Dr. Glantz established and has maintained an *E. coli* Reference Center at Penn State, the only such center for animals in the country. Recently, he was appointed official curator of the Center, part of the University's new Systematics Collection.

In 1970 and again 1972, he and his colleagues at the University identified a new group of disease-producing organisms among the *E. coli* bacteria in the intestinal tracts of pigs and calves. Dr. Glantz collaborates on this research with the Center for Disease Control (C.D.C.) in Atlanta, Ga., and with the International *E. coli* Center in Copenhagen, Denmark.

The author of 48 professional articles, Dr. Glantz is a member of numerous professional societies.

Dr. Glantz and his wife, the former Norma Mae Workman, have one daughter, six sons and eight grandchildren.

Ida Lechthaler, an environmental health worker at Hershey, will retire Aug. 11. She has been employed by the University since Aug. 4, 1969.

Allen Rishel, a poultry worker in the College of Agriculture, will retire Sept. 1. A Coburn resident, Mr. Rishel has worked for the University since June 1, 1950.

Clair Walters, a Penn State employee since Jan. 16, 1967, retired on Aug. 1. He was employed as an equipment repair maintenance worker with the Physical Plant.

Kathryn Swanson, a second cook at the Nittany Lion Inn, retired July 1. She had been employed at the University since Jan. 4, 1971.

Correction

An article in the July 26 INTERCOM incorrectly listed the Department of Horticulture's new telephone number. The correct phone number is 865-2571, which may be used to obtain the new listings of individual faculty members.

Bookshelf

Dr. J. David Boyle, professor of music education, is co-author of *Psychological Foundations of Musical Behavior*, a 344-page book published recently by Charles C. Thomas. Dr. Boyle's co-author was Rudolf E. Radowy of the University of Kansas.

Written from a behavioristic perspective, the volume is designed primarily as a text for undergraduate and graduate courses in the psychology of music.

The authors discuss the psychoacoustical aspects of music, devoting succeeding chapters to the rhythmic, melodic, and harmonic foundations. Definitions, opinions, theoretical aspects, pedagogical issues and value judgments are reviewed with respect to these facets of musical phenomena.

The question of why music exists is addressed, focusing on selected theories of the origins of music, its foundational uses and music as a cultural event. This is followed by a discussion of the physiological and psychological aspects of the affective response to music.

The functional use of music in ceremonies, the marketplace, and therapy is covered, including the utility of music as a reward. The time-honored topic of measurement and prediction of musical ability is given considerable attention.

Also addressed are music learning theories and their application. Factors involved in learning to perform, analyze, and organize musical ideas are discussed. A consideration of future directions in the psychology of music—cerebral dominance, synesthesia, musical conformity, and related topics—concludes the book.

Dr. Lynn S. Liben, associate professor of child development, is the editor of "Deaf Children: Developmental Perspectives," published recently by Academic Press as a volume in its developmental psychology series.

The 241-page work is an outgrowth of an interdisciplinary study group sponsored by the Society for Research in Child Development. It provides critical reviews of past work related to deaf children; identifies important variables and procedures that should be considered in planning research on or services for deaf people; and suggests new areas for research and intervention.

The book is designed to interest a diverse group of researchers and practitioners, and serves as a valuable resource for persons who are planning or participating in research programs or services for deaf children and adults.

Dr. Liben also contributed two chapters to the book, "The Development of Deaf Children: An Overview of Issues" discusses individual differences in deafness as well as the family, linguistic and educational environments.

"Developmental Perspectives on the Experiential Deficiencies of Deaf Children" incorporates the Piagetian perspective and an analysis of the deaf child's environment.

Dr. Donald F. Moores, head of the Division of Special Education in the College of Education, is another contributor to the work. In his chapter, "Current Research and Theory with the Deaf: Educational Implications," he discusses the process of research to application; the contributions of ethology; the relationship of thought, language and deafness; manual communication, sign language and total communication.

Thomas A. Hale, associate professor of French and comparative literature, is a major contributor to a new reference book with entries on some 2,000 Caribbean writers. The study, published by Three Continents Press, Inc., is entitled *Caribbean Writers: A Bio-Bibliographical Critical Encyclopedia*.

Dr. Hale contributed information on Martinican writers and wrote a major essay, the longest in the volume, on Aimé Césaire, the best-known author in the

French-speaking Caribbean. The essay is a revised and expanded version of an article that appeared in *Africana Journal* in 1974 under the title, "Aimé Césaire: A Bio-Bibliography."

In addition to capsule biographies of each writer, the volume contains bibliographic detail on more than 15,000 creative works. Most were written in English, Dutch, French or Spanish, but some also represent the "creole" languages that have sprung up from the mixing of African, Indian and European word-stocks and grammars.

Porter W. McDonnell Jr., assistant professor of engineering at Mont Alto, is the author of a new book, *Introduction to Map Projections*, published by Marcel Dekker, Inc., N.Y.

The 184-page book provides a fresh look at an old subject and, with its programs for pocket calculators, constitutes a new classroom study aid. In this uniquely organized book, Prof. McDonnell has designed chapters that associate map projections by their shared characteristics, rather than by their projection surfaces.

The text is designed for use by students of cartography, geography, earth science, surveying, map reading, navigation, ROTC and civil engineering. Atlas users, resource managers, map enthusiasts, orienteering hobbyists, and persons needing to understand the military grid system will also find the book useful.

Arthur V. Cervo, director of public information and relations, is guest editor of *Using the Mass Media*, a New Directions Quarterly Sourcebook published by Jossey-Bass, Inc.

The volume gives guidance to educators on how to use the media effectively to increase public awareness of and support for the programs and activities of the institution. It also is to be used by students studying communications.

It addresses the proposition that many faculty members and administrators in higher education feel that people in the media do not give educators a fair share of space and time to tell their stories.

"Part of the reason for this is that much of the news generated on college campuses is not centered around conflict or controversy—the ingredients that go into a 'good' news story," Mr. Cervo writes. "Many educators, however, are not good communicators and have little idea of how to present a story effectively or how to get the media interested in their stories."

The sourcebook is divided into six chapters, one of which—"Why Aren't They Listening?"—is written by Mr. Cervo.

J. Arthur Stober, head of the radio-TV section in the Department of Public Information and Relations, has also written a chapter, "Low-Cost Use of High-Cost Media."

Appointments

Capitol

Nancy Marwick DeMuth as assistant professor of business administration. B.A., Mills College; M.B.A., The Wharton School-U. of Pa.; M.A., Ph.D., U. of Utah. Formerly research asst./consultant, P.A. Office of Mental Health, manager, Thomas Jefferson Hospital.

Hershey

Richard D. Broadwell as assistant professor of anatomy. B.A., Knox College; M.S., Ph.D., U. of Wisconsin. Formerly staff fellow, National Institute of Health.

Harold Dash as assistant professor of medicine. B.A., Amherst College; M.D., Harvard. Formerly intern, San Francisco General Hospital; resident, fellow, U.C.-San Francisco.

Pamela S. Skrentner as assistant professor of obstetrics and gynecology. B.S., Wayne State U.; M.D., U. of Michigan. Formerly resident, instructor, U. of Michigan.



Summer seems endless on a lazy afternoon at Stone Valley.

Policy and benefit plans

(Continued from page 1)

cost to retirees or dependents for this health care program. Retirees will continue to pay their MEDICARE premiums.

If you have any specific questions about these changes in the University's benefit programs, please contact the Employee Benefits Division (865-1473).

Dr. Gallagher

(Continued from page 1)

He joined the Penn State faculty in 1960 as an instructor at the Behrend College, moving to University Park in 1963. He became an assistant professor in 1967 and an associate professor in 1976.

Dr. Gallagher assumed administrative responsibilities for physical education programs at the Commonwealth Campuses in 1967. Under his leadership, a sound instructional program was developed, along with a diverse intramural program. Over 4,500 students are enrolled each term in physical education classes at the Commonwealth Campuses and Behrend College.

His administrative responsibilities have included development of curriculum, facilities, and outdoor recreational areas. He has written the program plan for seven multi-purpose buildings on various Campuses.

In addition, Dr. Gallagher has been chairman of the Basic Physical Education Instructional Program at University Park, since 1972.

Dr. Gallagher was named assistant dean in 1973 and associate dean in 1974. In addition to his administrative responsibilities, he has remained active as a teacher in both the undergraduate and graduate programs.

He has published articles in the *Pennsylvania Journal of Health, Physical Education and Recreation*; *Research Quarterly*; and the *Journal of Health, Physical Education and Recreation*.

Dr. Gallagher is a member of the American Alliance for Health, Physical Education and Recreation; the National College Physical Education Association for Men; and the Pennsylvania State Association for Health, Physical Education and Recreation.

Dr. Gallagher and his wife, Margaret, are the parents of three children: James, 13; Karen, 13; and Matthew, 9.

New Jersey educator

(Continued from page 1)

Association of Schools of Music and in the New Jersey State Council on the Arts. She brought about a number of innovations during her chairmanship at Montclair State College, which was designated by the New Jersey Department of Higher Education as a comprehensive center of influence for the fine and performing arts.

While at Montclair, she established a chamber ensemble outreach program that provided faculty and student ensembles showcases at Carnegie Recital Hall, in museums, public schools and at other

college campuses; a resident trio was formed to recruit students for Montclair programs and to enhance the reputation of the school; various curriculum revisions were also made to implement the B. Mus. degree in performance and music theory/composition; Programs in music education, music therapy, music history and the Music Preparatory Division were expanded.

The School of Music that Dr. Carr will head at Penn State represents a jointure of music education, which was formerly based in the Division of Art and Music Education in the College of Education, and the Department of Music, a division of the College of Arts and Architecture.

News in brief

(Continued from page 1)

of management accountants with 90,000 members in more than 320 local chapters in the United States and abroad.

PSU, Swaziland sign statement of intent

A statement of intent for a cooperative relationship between the Ministry of Education of the Kingdom of Swaziland and University College of Swaziland and The Pennsylvania State University was signed recently by representatives of Swaziland and Penn State.

The objectives are to promote educational development, stimulate intellectual growth, assist in staff development and foster better relationships between the academic communities of both Swaziland and the United States.

"Specific details will be developed by the appropriate parties in subsequent agreements," said Dr. Robert E. Dunham, vice president for Undergraduate Studies at Penn State.

Hershey to host conclave on Radiation and Health

A two-day conference, "Radiation and Health," will be held Sept. 13 and 14 at the Hershey Convention Center, sponsored by the College of Medicine at The Milton S. Eshelman Medical Center, the College of Engineering and the Pennsylvania Medical Society.

The Nuclear Regulatory Commission's Harold Denton will headline a field of some 20 national and state experts on the program, which is intended for persons who would respond professionally in the event of a nuclear accident or potential emergency. The results of two Hershey Medical Center research projects on behavioral aspects and psychological effects will be discussed for the first time.

Elliott gets CUPA post

James M. Elliott, director of personnel relations at the University, has been appointed vice president for professional development of the College and University Personnel Association (CUPA), an organization of personnel professionals in more than 800 institutions of higher education in the United States and Canada.

Calendar

August 9-30

Special Events

Friday, August 10

Horticulture Seminar, 9 a.m., Room 309 Tyson. Michael Sandell, Hadlow College of Agriculture and Horticulture, Kent, England, on "Horticultural Education in England."

UnCommon Friday Film Classics, *The Cabinet of Dr. Caligari*, noon, Room 112 Kern. Free Commonsplace Theatre, *Warners Animation Festival II*, cartoons from the 1940's, 7 and 9 p.m., Room 112 Kern. Also August 12, GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, August 11

Last day for submitting petition to Records Officer to graduate in absentia in August. France Cinema, 7 and 9 p.m., Room 112 Kern. Also August 13.

Explazaganz Film, *Animation Festival*, collection of international animated films, dusk, Fisher Plaza. Free.

Monday, August 13

Gary Rusnak, piano recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, August 14

Explazaganz Concert, Bob Doyle & Friends, 7:30 p.m., Fisher Plaza. Free.

Wednesday, August 15

Last day for signing Summer Term Emergency Loans, Room 108 Shields. Summer Term classes end, 9:55 p.m.

Thursday, August 16

Final examinations, through Saturday, August 18.

Monday, August 20

Outdoor pool, 10:30 a.m.-6 p.m. Open after 6 p.m. only if weather permits. Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Saturday, August 25

Summer Term Commencement, 10:30 a.m., Rec Hall. Old Main Tower open, noon-4 p.m.

Monday, August 27

Arrival date for new students for Fall Term.

Tuesday, August 28

Arrival date for continuing students for Fall Term. Orientation and advising, through August 31.

Wednesday, August 29

Registration for Fall Term, 1-5 p.m., IM Bldg., through August 31, August 30 and 31, 8 a.m.-5 p.m.

Exhibits

Chambers Gallery: Raniero Corbelli, drawings, and Cindy Nixon-Hudson, soft sculptures, both through August 30.

Ferguson Lobby: Jerry Reburn, "Games Made of Wood."

HUB Gallery: James Dasta, paintings, through August 19.

Kern Commons Gallery: Alison Taggett, photographs, Pa. Crafts Marketing Co-op Assn. Exhibit, both through August 25.

Museum of Art: works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill; *Heritage Sampler* - Dusted Contemporary Crafts Exhibit, through August 26; European works from the permanent collection, opens August 26.

Pattee Library: Christine Siksa, paintings and drawings, through August 27; Diane Pepe, papermaking, opens August 28, both in East Corridor Gallery.

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ARCADIAN SCENE, an oil painting by Arthur B. Davies, is on exhibition through Sept. 9 in the Museum of Art along with other works by Davies, a prominent figure in the New York art world at the turn of the century. Other exhibitions in the Museum are "Central Pennsylvania Festival of the Arts, Contemporary Juried Crafts," through Aug. 26; "Heritage Sampler:

An Introduction to the Domestic Arts and Crafts of Central Pennsylvania 1750-1900," through Sept. 23; and "Highlights from the Permanent Collection," through Sept. 2. The Museum of Art is open daily, except Mondays, from noon to 5 p.m. Free tours are offered every Sunday at 1:30 p.m.

University develops principles of compliance with federal laws concerning the handicapped

In accordance with recent federal laws forbidding discrimination against the handicapped, the University is required to communicate to its personnel its compliance to Section 504 to the Rehabilitation Act.

The University adheres to, and academic policies must conform with, the following principles developed by the President's University Coordinating Council for Concerns of the Handicapped.

No qualified handicapped student may be excluded, on the basis of handicap, from participation in or denied the benefits of any course or course of study.

Procedural adjustments involving modification of course requirements for attainment of a degree should not result in substantive differences in course requirements. Academic requirements which are demonstrated to be essential to the program of instruction being pursued will not violate the policy.

The University shall not impose rules upon handicapped students that have the effect of limiting participation (such as the prohibition of tape recorders in classrooms or the use of dog guides).

The University shall provide methods of course examination or other procedures for evaluating academic progress of handicapped students who have a handicap that impairs sensory, manual or speaking skills, which test academic progress rather than the impairment (except where such skills are factors to be measured).

No handicapped student will be discriminated against in the case of classes because of mobility impairment. The University shall take steps to ensure that no handicapped student is unable to obtain an education because of lack of auxiliary aids.

Handicapped students should not be discouraged by counselors from entering fields of study because of their handicap, although counselors should inform students of potential problems that are inherent in certain career fields, including licensing and certification requirements.

There are many kinds of handicaps

including ambulatory disabilities, sight disabilities, hearing disabilities, speech impairments, learning disabilities, and mental and psychological disorders. This is not intended to be a comprehensive listing but indicates the range of conditions which are to be considered.

It should be stressed that in conforming to these principles, discretion and common sense should prevail and flexible approaches and processes should be adopted. It is not required that the substance of programs or courses be changed but that the programs and courses be accessible to qualified handicapped students.

Obviously, questions will arise from time to time regarding provisions of this act. Concerns or questions should be addressed to the following officers: Dr. Raymond O. Murphy, for student affairs; Dr. Robert E. Dunham, for academic matters; Ralph E. Zilly for physical plant matters.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 16, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fall Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SUPERVISOR OF ADMISSIONS OPERATIONS - UNDERGRADUATE ADMISSIONS, University Park. Responsible to the Director of Undergraduate Admissions for managing all clerical support functions to ensure effective operation of the office. Supervise and direct the work of clerical employees in the areas of operations, coding, files, mail, and reception. Coordinate with other offices, such as Management Services, Bursar, and Commonwealth Campus Directors, on

routine and special admissions matters.

Supervise preparation and distribution of applications, notices of admission decisions, bulletins, etc. Responsible for maintaining inventory control of supplies and materials. Supervise collection of fees and preparation of cash reports. Assist with hiring and training of clerical employees. A bachelor's degree or equivalent plus one to two years of effective work experience in office supervision.

ASSISTANT AUDITOR - CONTROLLER'S OFFICE, University Park. Responsible to the Audit Manager for performing limited scope audits and assisting in larger audits to appraise extent of compliance with University policies and procedures, adequacy and reliability of records and management information reports, soundness and adequacy of accounting, financial, and other operating controls, and safeguarding of assets within any of the diverse operational, financial, and administrative functions or organizations of the University as directed by and under the supervision of the Audit Manager or the Auditor in charge of assigned audits. Bachelor's degree or equivalent in accounting or related field plus over one year of directly related experience in auditing or accounting areas.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS - STUDENT AFFAIRS, Altoona Campus. Responsible to the Dean of Student Affairs for the development and administration of campus programs aimed at recruiting and retaining minority students; and for such other duties as may be assigned relating to a variety of services and programs in the Student Affairs operation. Responsibilities include coordination and administration of the campus Educational Opportunity Program in cooperation with other University offices. Master's Degree or equivalent in Student Personnel.

Administration, Counseling or related field, plus six to twelve months of effective experience, or a bachelor's degree or equivalent plus one to two years of effective experience.

CLINIC SUPERVISOR - OUTPATIENT DEPARTMENT, Hershey. Responsible to the Manager, Ambulatory Services, for providing clerical and technical supervision and the promotion of clinical efficiency within a designated unit in the outpatient clinic. Associate Degree in business administration or equivalency plus three to four years of directly related experience in the performance of administrative type duties and supervision of clerical personnel. THREE POSITIONS AVAILABLE.

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107 PATTEE ROOM

Penn State Intercom

News in Brief

Summer enrollment totaled 12,854

Summer term enrollment for resident instruction at all locations of the University totaled 12,854, according to preliminary figures.

The enrollment breakdown shows 9,655 students at University Park; 1,976 at the Commonwealth Campuses; 834 at Capitol Campus; 247 at the Milton S. HERSHEY Medical Center; and 142 at the Radnor Center for Graduate Study.

Late registrations and short term course enrollments will affect final totals, according to Warren R. Haffner, University Registrar.

"Compared to the same period in 1978, University-wide enrollment is down by 922," Mr. Haffner explained. "However, part of this is accounted for by a change in the classification of students at the Behrend College and the Hazleton and Schuylkill campuses.

"Those locations registered their Summer Term students through the Continuing Education system for the first time this year. This means they are no longer included in the resident instruction totals."

Temporary positions open at Bookstore

The University Park Bookstore has some temporary positions available for wives of faculty and staff members who would be interested in working there for approximately two weeks at the beginning of Fall Term. Anyone interested should contact William McVicker, manager of operations, at 863-0205.

Libraries announce term break schedule

The University Libraries will observe special hours during Summer term break.

The libraries will be open Saturday, Aug. 18 — the last day of final examinations — from 7:45 a.m. until 5 p.m., and will be closed Sunday, Aug. 19.

The Pollock Branch Library will close at 9 p.m. Aug. 18 and will remain closed through Sept. 3.

All other library locations will open at 7:45 a.m. and close at 5 p.m., Aug. 20-24. All locations will be closed Aug. 25-26.

The 7:45 a.m. to 5 p.m. hours will again be in effect Aug. 27-31 and the libraries will be closed Sept. 1-3.

All locations will be open for the first day of Fall Term classes on Tuesday, Sept. 4.

Special van to transport handicapped now available

The University recently acquired a special van, equipped with a wheelchair lift, to provide transportation at University Park for students who, because of physical handicaps, are unable to use the Campus Loop buses.

The van service will be similar to that offered by the Campus Loop buses. A schedule may be obtained by calling the Services for Handicapped Students office in the Student Assistance Center in Boucke Bldg., at 863-3030.

Schedules and additional information are also available from Bruce Younkun, of the University's Fleet Operations, at 865-7571.

12 persons appointed to WPSX advisory board

President Oswald has appointed 12 Central Pennsylvania residents to serve on the new Community Advisory Board for WPSX-TV, Channel 3.

The board was formed at the request of the University's Board of Trustees, acting on the requirements of the Public Telecommunications Financing Act of 1978, which formalizes and makes uniform some of the community

relationships of all public broadcasting stations.

The Advisory Board members were drawn from the entire WPSX-TV viewing area and represent a wide variety of interests, including government, education, the environment, religion, public welfare, the elderly, and labor. They are:

John Black, State College; Sen. J. Doyle Corman, Bellefonte; Rev. J. Daniel Dymski, DuBois; Charles Hill, Altoona; Reginald Hislop, Philipsburg; Kenneth Holderman, State College; Hope Johnson, Johnstown; Alice McCloskey, Ridgway; W. LeRoy Schneck, Warren; Rep. L. Eugene Smith, Pottsville; Marian Wettrick, Coudersport; and Yolanda Jeselnick, St. Marys.

The board, which will meet semi-annually, is charged with review of programming goals and the service provided by the station. It is expected to advise the Trustees with respect to whether the programming and other policies of WPSX-TV are meeting the specialized educational and cultural needs of the communities served by the stations. Chairman of the board is Floyd B. Fischer, vice president for Continuing Education. David L. Phillips, director of broadcasting at Penn State and manager of WPSX-TV, will serve as the board's secretary.

New Hershey Center for Sports Medicine

A Penn State Sports Medicine Center has been established through an expansion of services at the Hershey Medical Center.

Joining the athletic injury clinic, in operation at the Medical Center since 1974, are a fitness/performance testing program, pediatric sports medicine program, runners clinic and research.

Dr. Alexander Kalenak, an associate professor of surgery and orthopaedic surgeon for the Nittany Lion athletic teams, directs the comprehensive sports medicine program.

"The objectives," Dr. Kalenak says, "are to provide care and rehabilitation for the injured athlete, counseling in the prevention of injury and prescriptions for fitness and activities for athletes of all ages."

Joseph D. Prete, L.P.T., head of physical and occupational therapy, coordinates the program's clinical and rehabilitation services. The latest testing equipment and treatment modalities are available at the center.

A National Athletic Trainer Association (NATA) — certified athletic trainer/physical therapist, H. William Craver III, has joined the physical therapy staff to assist in the screening of acute injury patients and to direct and manage the rehabilitation of these patients.

The fitness/performance testing program, directed by Dr. Theodore R. Kantner, assistant professor of family and community medicine, is open to patients referred for, or requesting, determinations of exercise capabilities and potential.

The pediatric sports medicine component, led by Dr. Glen S. Bartlett, assistant professor of pediatrics and behavioral science, concentrates on the specific needs of adolescent and child athletes.

A runners clinic, headed by Dr. Kalenak, is operated specifically for the evaluation and treatment of problems of the lower extremities of runners.

Green Thumb program gives older workers a chance

When 64-year-old Mary Williams graduated from Penn State last November, she wanted to work in a job related to her degree in Individual and Family Studies.

"But I just knew I was going to have trouble," she recalls. "There are laws against age discrimination, but it still exists. I didn't think anyone would want to give me a chance in a worthwhile job."

Today, she's assisting with the academic advising of freshmen in the College of Human Development, and she bubbles with enthusiasm as she opens her office three days a week.

"I'm a people-oriented person, and I especially love young people, the Bellefonte resident explains. "It's very satisfying to be able to sit down and talk with them and help to relieve their tensions."

Dalene Reichert, 59, of State College, also wanted to work and utilize her 20 years of secretarial experience.

"I worked from 1938 to 1958 and then quit to take care of my family," Ms. Reichert explains. "Both of my daughters

were married within the past year, and I wanted to keep busy and needed the money, but it's very hard for a person my age to walk in and get a job anywhere."

Nonetheless, she found one — as an office assistant in the field placement program in the Division of Individual and Family Studies.

Her work, she says, is both interesting and challenging: "I do a lot of proofreading. I'm in charge of agency files, and I do odds and ends of secretarial work, including writing drafts of letters and that sort of thing."

Although Ms. Williams and Ms. Reichert work in the College of Human Development, their actual employer is Pennsylvania Green Thumb, Inc., a statewide training program which encourages employers to use older persons — at least 55 years of age — in jobs that match their abilities and interests. Green Thumb also foots the bills for their salaries.

Just as Ms. Williams and Ms. Reichert are ebullient about their new-found work

through Green Thumb, so is Ruth E. Aitken, instructor in human development and coordinator of the undergraduate field placement program in IFS.

"The Green Thumb program has worked out very well both ways," Ms. Aitken says. "Two older women have found meaningful jobs, and we're absolutely delighted with the enthusiasm, skills and fresh perspectives they're bringing to the College of Human Development."

Ms. Aitken says both women interact well with students, emanating a friendly maturity that attracts young people in an environment generally bereft of older faces.

"I can see the Green Thumb program growing by leaps and bounds within the University," she says. "In these inflationary times, it can help solve the major problem imposed by budget cuts in a particular program: how to maintain or expand the quality of services."

"More important," she adds, "it makes

(Continued on next page)



Green Thumb employees Dalene Reichert (left) and Mary Williams at their jobs.

Penn Staters

Dr. Claire Hirshfield, associate professor of history at Ogontz, is the author of *The Diplomacy of Partition: Britain, France and the Creation of Nigeria, 1890-1898*, a new book published by Martinus Nijhoff, The Hague, Netherlands. The 231 page volume contains a detailed analysis of the development and resolution of the West African crisis of the 1890s, based on research Dr. Hirshfield conducted in public archives and private collections in Britain and France.

The book examines the actions and motives of French and British statesmen. Institutional rivalries are shown to have had a crucial bearing on the decision-making process in both countries, particularly the often stormy relationships between foreign and colonial ministers. A concluding chapter evaluates the motivations of Britain and France during the crisis.

Dr. Hirshfield destroys the popularly held belief that the Africans were passive in the face of European intrusion. She describes the perceptive and highly sophisticated reactions of African rulers such as the Sultan of Sokoto and the King of Busa.

A graduate of Bryn Mawr College Hirshfield earned a doctorate at the University of Pennsylvania. She is the co-author of a secondary school textbook, *Mainstreams of World History*, first published in 1974 and now being readied for a second edition.

Last spring Dr. Hirshfield received back-to-back AMOCO Foundation and Lindback teaching awards from the University.

Ralph J. Sabock, associate professor of physical education, has prepared a second edition of his book, *The Coach*. It has been published by W.B. Saunders Co.

The text, which is geared toward men and women preparing to be high school coaches in any area of sports, discusses organization, motivation, recruiting, ethics, relationships with parents, and the nature of high school coaching.

Dr. Sabock holds a B.S. from Muskingum College and a Ph.D. from Ohio State. A member of Penn State's faculty since 1969, he was a high school coach for 15 years.

Dr. Dorothy V. Harris, professor of physical education, has been appointed to the Board of Overseers of Harvard College. She has served as a member of the Visiting Committee on Athletics since 1975, having been reappointed to that committee for the last five years.

Joseph L. Cavinato, assistant professor of business logistics, has been awarded the Fred Brand, Jr. Outstanding Teaching Award for 1979. The award is a yearly one presented for outstanding undergraduate teaching in Business Administration. Dr. Cavinato was previously awarded the CBA's outstanding graduate assistant teacher award when he attended Penn State in 1974.

Obituaries

Madison Brumbaugh, a janitorial worker in the Office of Physical Plant from 1964 to 1975, died Aug. 2. A Lewistown, Pa., native, he was 65 years old.

Word has been received of the death on April 2 of Paul R. Daugherty, who retired in 1955 as professor emeritus of Spanish. Born Feb. 15, 1893, Prof. Daugherty joined the faculty in 1930 after teaching at Western State College of Colorado. He held A.B. and A.M. degrees from the University of Pennsylvania.

Eleanor Nenstiel, a receptionist at the Hazleton Campus since 1973, died Aug. 1. She was 53 years old.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 23, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park Perform biochemical analysis upon various animal tissue, tissue fractions, and body fluids. Collect tissues and body fluids and prepare the samples for analysis. Conduct in vitro experiments on the metabolism of shell gland tissue. Summarize and report results obtained in investigations. Prepare histological sections of selected tissues for microscopic examinations. Bachelor's degree in medical technology, biochemistry, chemistry or biological sciences or its equivalent and up to one year of directly related experience in biochemical and biological techniques required.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park Supervise graduate students, staff and part-time employees in the performance of analytical procedures in plant genetics and biochemical genetics requiring the use of electronic, chemical, safe radioactive assay and other equipment in the Plant Breeding and Plant Physiology Laboratory. Supervise the planning, pollinating, collection of data, harvesting, seed processing, seed classification, cataloging and chemical analysis of the corn genetics and breeding research stocks grown under field, greenhouse, growth chamber and other laboratory regime. Assist in interpreting genetic, physiological and breeding data from research experiments and summarize data. Design and establish various kinds of field, greenhouse and laboratory experiments for evaluating breeding performance of selected plants and experimental strains of maize. Associate degree or two years of college level training in the biological sciences or its equivalent is required. One to two years of directly related experience required in chemical and biological laboratory procedures.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, New Kensington Campus Responsible to the Dean of Student Affairs for the administration and coordination of the admissions and recruitment programs for the New Kensington Campus. Master's degree in counseling, student personnel or related field or equivalent organized study or training, plus up to and including 12 months of directly related experience, or bachelor's degree or equivalent, with one to two years of directly related experience in the areas of admissions, counseling, etc.

RESEARCH HERDSMAN — COLLEGE OF AGRICULTURE, University Park Responsible for maintaining the research herd in good health. Notify the veterinarian concerning sick animals and provide

assistance as required. Collect semen from bulls for research purposes, demonstrations or instruction. Insure that accurate records are maintained on sexual behavior of each bull. Conduct experimental procedures as assigned by researchers. Supervise the work of technical service and part-time employees. Weigh, measure and record growth data on experimental animals and identify and report crows that are in estrus. Plan and prepare weekly feeding schedules for experimental animals to comply with research parameters and insure that these schedules are followed. Coordinate the purchase of grain, hay and bedding. Associate's degree or its equivalent in animal or dairy science or closely related field and two to three years of directly related experience in handling cattle, farm records, and farm equipment is required. Oronotometry and supervisory ability is essential.

VISUALS/PHOTOGRAPHIC EDITOR — COLLEGE OF AGRICULTURE, University Park Be familiar with and apply principles of quality photography in press coverage, development of slide and filmstrip presentations and obtaining photographs for use in exhibits, publications and other visual presentations. Develop techniques in processing and printing (enlarging/cropping) for quality production from the photographic darkroom. Work with specialists and fellow communications in learning and sharing creative concepts and visual skills in producing visuals for various professional, public and student audiences. Assist in visualizing and preparing artwork for all forms of visual materials. Perform copy-stand and studio photography and other camera work as necessary to develop and carry out own visual assignments, take news photographs at meetings and events. Bachelor's degree (or equivalent), plus one to two years of directly related experience in photographic, film shop, or visual applications in commercial or educational work that can be applied to Extension activities and objectives.

PUBLICATIONS EDITOR/PUBLIC RELATIONS COORDINATOR — COLLEGE OF MEDICINE, Hershey Responsible for assisting the Director of Public Relations in developing, planning, implementing, evaluating public relations goals of College of Medicine and the Medical Center and draft specific programs to attain these goals. B.S. in journalism and two to four years of directly related experience.

MANAGER, DAIRY PRODUCTION RESEARCH CENTER — COLLEGE OF AGRICULTURE, University Park Responsible for managing the daily operations of the Dairy Production Research Center to include personnel management, development and implementation of procedures, maintenance and preventive maintenance of equipment and facilities, forecasting of supply requirements and coordinating the purchase of supplies. Advise and assist researchers in planning research work layout and insure that research procedures such as feeding and handling of animals conform to research specifications. Responsible for interpreting and insuring compliance with a variety of federal and state regulations concerning animal and dairy science. Oversee the maintenance of records pertaining to breed registry, production, health, reproduction, etc. Bachelor's degree or equivalent in dairy or animal science or a closely related field, plus three years and up to and including four years of directly related experience in dairy farm operations and dairy cattle management. Demonstrated managerial ability and a familiarity in experimental methods are essential. Master's degree is highly desirable.

Promotions

Clerical

Bonnie G. Fetzter to records clerk A in Human Development.
Lori A. Jackson to payroll clerk A at Hershey.
Jacqueline E. Pillot to data preparation operator B in Alumni Association.

Staff Exempt

Lydia P. Abdullah to night & weekend Controller's Office.
Rebecca A. Jenkins to night & weekend service chief at Hershey.
M. Cynthia Johnson to financial aid coordinator in Student Affairs.
Edward J. Todd to auditor in Controller's Office.
Benjamin D. Trachsel to senior systems programmer in Management Services.

Technical Service

Nora Jane Alfano to physical therapy aide at Hershey.
Wayne Gearhart to equipment operator (cranes & forklift) in Physical Plant.
Harvey J. Knepp to waste water treatment plant mechanic B in Physical Plant.
Jay E. Minasi to waste water treatment plant mechanic B in Physical Plant.
Donald L. Reisinger to laundry truck driver in Housing & Food Services.
James S. Russler to maintenance worker utility in Physical Plant.
Joseph R. Watson Jr. to waste water treatment plant operator A in Physical Plant.

Green Thumb

(Continued)

use of a group of citizens — older persons — who are too often discarded from the mainstream of social and economic life."

Ms. Aitken hopes to recruit more Green Thumb workers for staff support positions in the College of Human Development, with Ms. Williams as the primary recruiter.

Although the program can provide a much needed extra income for older persons, Ms. Williams says, it's often difficult to find people for Green Thumb. "Many older people don't read want ads — which is one way Green Thumb advertises — and many are suspicious of programs advertised for older persons. Transportation is often a problem for older persons, but car pools are being organized to help alleviate that worry."

"In addition, income guidelines enter the picture. To qualify for Green Thumb employment, a single person cannot be receiving more than \$4,250 a year."

Still, Ms. Aitken and Ms. Williams are optimistic about finding qualified older persons who could work well in the College of Human Development.

"It's a matter of spreading the word and looking hard enough," Ms. Williams explains.

The Green Thumb program is funded by Title IX of the Older Americans Act. Locally, it is administered by Centre County Community Action.

Calendar

August 16-30

Special Events

Thursday, August 16
Final examinations, through Saturday, August 18.

Also August 17, 20 and 21.

Monday, August 20
Outdoor pool, 10:30 a.m.-6 p.m. Open after 6 p.m. only if weather permits.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, August 21
Ag Progress Days, 9 a.m.-5 p.m., Rock Springs Agricultural Research Center, through August 23.

Saturday, August 25
Summer Term Commencement, 10:30 a.m., Rec Hall.
Old Main Tower open, noon-4 p.m.

Monday, August 27
Faculty study space assignments in Pattee Library, 7:15 a.m., Room 106 Central Pattee, 33 spaces available. 865-5420 for further information.
Residence Halls open for new students for Fall Term, 8 a.m.

Tuesday, August 28
Residence Halls open for returning students for Fall Term, 8 a.m.
Orientation and advising, through August 31.
University Choirs auditions for members of University community, 9 a.m.-4 p.m., Room 112 Chapel and 112 Music Bldg., through Sept. 1, 865-6546 for further information.

Wednesday, August 29
Registration for Fall Term, 1-5 p.m. Also August 30 and 31, 8 a.m.-5 p.m., IM Bldg.

Thursday, August 30
Pattee Library tours, 9, 10 and 11 a.m., 1, 2 and 3 p.m. Main Lobby, Pattee. Also August 31, Sept. 4-6. Evening tour, Sept. 6 only, 7 p.m. Branch Library tours, 10 a.m. (undergraduates), 2 p.m. (graduate students). Architecture Reading Room — Room 310 Sackett; Earth and Mineral Sciences — Room 105 Deike; Engineering — Room 325 Hammond; Life Sciences — Room E210 Pattee; Mathematics — Room 110 McAllister; Physical Sciences — Room 230 Davey. Also August 31, Sept. 4-6.

Exhibits

Chambers Gallery: Raniero Corbellotti, drawings, and Cindy Nimrod-Hudson, soft sculptures, both through August 30.

Ferguson Lobby: Jerry Reyburn, "Games Made of Wood."

HUB Gallery: James Dasta, paintings, through August 19.

Kern Commons Gallery: Alison Taggart, photographs, Pa. Crafts Marketing Co-op Assn. Exhibit, both through August 25.

Museum of Art: Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Brill; Heritage Sampler — Domestic Arts and Crafts of Central Pa.; Juried Contemporary Crafts Exhibit, through August 26; European works from the permanent collection, opens August 26.

Pattee Library: Christine Sikka, paintings and drawings, through August 27; Diane Pepe, papermaking, opens August 28, both in East Corridor Gallery.

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